# e Itliming Immal.

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES. [The MINING JOURNAL is Registered at the General Post Office as a Newspaper and for Transmission Abroad,

No. 2362.—Vol. L.

LONDON, SATURDAY, NOVEMBER 27, 1880.

WITH SUPPLEMENT. PRICE ...... SIXPENCE PER ANNUM, BY POST 41 48.

MR. JAMES H. CROFTS, STOCK AND SHARE BROKER, AND MINING SHARE DEALER, No. 1, FINCH LANE, CORNHILL, LONDON, E.C.

ESTABLISHED 1842. transacted in all descriptions of MINING Stocks and Shares Business transacted in all descriptions of Minine Stocks and Shares ditish and Foreign), Consols, Banks, Bonds (Foreign and Colonial), Rail-

s, Insurance, Assurance, Telegraph, Tramway, Shipping, Canal, Gas, sr, and Dock Shares, and all Miscellaneous Shares. INSURES negociated in Stocks and Shares not having a general market

hine.

Every Friday a general and reliable List issued (a copy of which will be forwarded regularly on application), containing osing prices of the week.

MINES INSPECTED.

RATERIS: CITY BANK, LONDON-SOUTH CORNWALL BANK, ST. AUSTELL.

| Bercial Dealings in the following, or part:—
| 100 Herodstoot, £%. |
| 25 Huby, £7 2s. 6d. |
| 26 Hingston Down, £1,39 |
| 27 Hording, £1 2s. 9d. |
| 28 Huby, £1 2s. 9d. |
| 29 Huby, £1 1s. 9d. |
| 20 Horodstoot, £%. |
| 20 Hingston Down, £1,39 |
| 20 Hingston Down, £1,39 |
| 20 Hingston Down, £1,39 |
| 21 Huby, £1 1s. 9d. |
| 22 Huby, £1 1s. 9d. |
| 25 Huby, £7 2s. 6d. |
| 26 Hingston Down, £1,39 |
| 27 Horodon, £2,34 |
| 28 Huby, £7 2s. 6d. |
| 29 Hichmond, £1,54 |
| 20 Hingston Down, £1,39 |
| 20 Hingston Pray, 21 2s. 6d. |
| 20 Hingston Pray, 22 2s. |
| 20 Hingston Pray, 21 2s. 6d. |
| 20 Hingston Pray, 21 2s. 6d. |

SHARES SOLD FOR FORWARD DELIVERY (ONE, TWO, OR THREE MONTHS) ON DEPOSIT OF TWENTY PER CENT. SPECIAL BUSINESS in North D'Eresby Mountain, West Godolphin, and Wheal Crebor at close prices.

RAILWAYS—SPECIAL BUSINESS.
FOREIGN BONDS—SPECIAL BUSINESS.
AMERICAN STOCKS AND SHARES—SPECIAL BUSINESS.
Bothlyhly accounts opened on receipt of the usual cover in these and all Stock Exchange Securities.

JAMES H. CROFTS, 1, FINCH LANE, LONDON. ESTABLISHED 1842.

TR. W. H. BUMPUS, STOCK AND SHARE BROKER, AND MINING SHARE DEALER 44, THREADNEEDLE STREET, LONDON, E.C. ESTABLISHED 1867.

BUSINESS transacted in STOCK EXCHANGE SECURITIES and MISCELLANEOUS SHARES of every description.
RAILWAYS, BANKS, FOREIGN and COLONIAL BONDS.

AWAYS, TELEGRAPHS, and all the LEADING INVESTMENTS.

Accounts opened for the Fortnightly Settlement

A List of Investments free on application.

In BUMPUS has SPI I Almada, 10s. 6d. 2 liber Tent, 38s. 9d. 5 Copiago, £125. 5 Coborado, £256. 1 Cara Brea, £101. 1 Consolidated, 9s. 6d. 5 Cope Copper, £415. 1 Dolecath, £575. 5 Coper, 13s. 3d. 1 Derwis Moyar. £256. 5 Bruns, £45. 2 Ext Pool. 3 Ext Pool. 5 Bruns, £45. 5 Event Caradon, £256. 6 Propostion, £456. 1 Frontino, £456. B. BUMPUS has SPECIAL BUSINESS in the undermentioned:-

OTAL BUSINESS in the und
20 Great Holway, 24½.
100 Glenroy, 13s. 6d.
25 Gorsedd and Merllyn.
50 Herodsfoot, 19s.
50 Hingston.
150 Indian Glenrock, 31s.
60 La Flata, 35s.
30 Leadhilis.
25 Mellar ear, 25½.
50 Marke Valley,
10 Minera, £10.
51 New Feevor.
70 Nouveau Monde, 22s 6
20 New Quebrada, £6½. 70 Nouveau Monde, 22s 5 20 New Quebrada, £6 1/2. 50 No. Herodsfoot, 11s 5d 30 North Busy. 100 Parys Copper, 22s. 100 Pestarena, 8s. 5d. 56 ditto (12½ per cent. preference), 22s. 6d.

ndermentloned:—
75 Pen.y-Orsedd, 25s.
20 Panulcillo.
50 Port Nigel, 41s.
100 Port Phillip, 10s. 6d.
15 Richmond, £15½.
25 Ruby, £7 8s. 9d.
10 Roman Gravels, £9½.
5 Rio Tinto, £19½.
5 South Iradian, £2½.
50 Tankerville. 100 South Indian, £2½.
50 Tankerville.
10 Tincroft.
50 West Goodolphin, £2½.
55 Wh. Bisters, £2.
55 West Phemix, £2.
15 Wh. Grenville, £10½.
20 Wheal Peevor, £29½.
100 Wh. Jewell, 14s.
25 Wh. Orebor, £4 13s 9d

FECIAL BUSINESS, at close prices, in the SHARES of all the principal HOME and FOREIGN MINES.

To Bumpus devotes special attention to these Securities, and is in a position and reliable information and advice to intending investors and others. \*\* Shares in SOUND TIN MINES should now be bought for an important in market value and good dividends. The following are particularly recom-

WHEAL GRENVILLE. WHEAL PEEVOR.

VEST GODOLPHIN.—This valuable property is about to be vigorously re-tical under the same management as WHEAL GRENVILLE. Ample capital salready been subscribed, and profitable results may be confidently expected by in the coming year. In the meantime the shares are likely to advance category in value, and should, therefore, be secured without delay. Full

WILLIAM HENRY BUMPUS, SWORN BROKER.
OFFICES: 44, THREADNEEDLE STREET, LONDON, E.C. ESTABLISHED 1867.

PERDINAND R. KIRK, 5, BIRCHIN LANE, LONDON, E.C. FORTNIGHTLY ACCOUNTS opened, on receipt of the usual "cover," in missess squarytiss. Mining Shares, Foreign Bonds, and certain Missess Squarytiss.

"THE WEEK."—A SEPARATE EDITION from that which appears in the "Jorgan is published every Wednesday evening, containing "Notes and last on the Stock Markets," with Closing Prices. May be had on application. BANKERS: LONDON AND WESTMINSTER, Lothbury.

MR. E. J BARTLETT, BRITISH AND FOREIGN STOCK AND SHARE DEALER, No. 30, GREAT ST. HELEN'S, LONDON, E.C.

1457 LOYELL.—The rise in price has commenced. Further improvement etad. Special business at close prices. MR. GEORGE BUDGE, STOCK AND SHARE DEALER

R. GEORGE BUDGE, STOCK AND SHARE DEALERS

9, GRACECHURCH STREET, LONDON, E.O. (Established 28 years).

ALL BUSINESS TRANSACTED FREE OF ANY CHARGE FOR

COMMISSION.

Notice to Investors and Speculators.

Inmada.

100 Flagstaff.

50 Gienroy.

100 Parys Copper.

100 South Tolcarne.

100 South Tolcarne.

100 South Devon.

100 South Beyon.

100 South Seven.

100 South Beyon.

100 South Be Blue Hills.

Bedford United.

Bodidris. Devon & Tiverton Bry.

10 East Roman Gravels.

10 East Oaradon.

10 East Ohiverton.

10 Emma. Canadon. 20 Mount Carbis. 10 Wheal Kitty.

10 Wheal Jewell. 10 Wheal Jewel INDIAN GOLD MINES.

THE MYSORE REEFS GOLD MINING COMPANY (LIMITED),
MYSORE TERRITORY, MADRAS PRESIDENCY. NOTICE.

The PROSPECTUS, issued TO-DAY, is published in THIS WEEK'S MINING JOURNAL at PAGE 3.

PROSPECTUSES and FORMS OF APPLICATION

can be had of Messrs. PETER WATSON AND COMPANY, BRITISH AND FOREIGN MINING OFFICES,

18, AUSTIN FRIARS, LONDON, E.C., On PERSONAL APPLICATION, or will be forwarded immediately BY POST to INTENDING APPLICANTS for SHARES.

The CLOSING OF THE LIST WILL SHORTLY TAKE PLACE. EARLY APPLICATIONS should, therefore, be made. THOSE APPLICANTS who may send their FORMS OF APPLICATIONS FOR SHARES, accompanied with a remittance for the same through Messrs. PETER WATSON AND COMPANY, who will do their BEST TO SECURE an ALLOT-MENT OF SHARES.

Cheques should be crossed—The Alliance Bank (Limited).

ESSRS. PETER WATSON AND CO.'S BRITISH AND FOREIGN MONTHLY MINING NEWS ESSRS. -STOCK AND SHARE INVESTMENT NOTES - MINES, MINERALS, AND METAL MARKETS - SHARE LIST. No. 825, Vol. XV., for NOVEMBER month, will be ready early next week, and sent to customers on application.

Annual Subscription..... 5s. | Single Copy...

MESSES. PETER WATSON AND CO., 18, AUSTIN FRIARS, E.C. GOLD

IN THIS MONTH'S (for NOVEMBER) ISSUE, which will be published THIS WEEK, some INFORMATION WILL BE GIVEN respecting INDIAN GOLD MINES.

COPPER, TIN, AND LEAD MINES. Some IMPORTANT INFORMATION WILL BE GIVEN in NOVEMBER MONTH'S ISSUE, No. 825, published THIS WEEK

BRITISH AND FOREIGN MINING OFFICES.

MESSES. PETER WATSON AND CO., 18, AUSTIN FRIARS, OLD BROAD STREET, LONDON, E.C. BANKERS: THE ALLIANCE BANK (Limited).

M R. ALFRED E. DEALER in BRITISH and FOREIGN STOCKS and SHARES of EVERY DESCRIPTION. COOKE 76. OLD BROAD STREET, LONDON.

SPECIAL BUSINESS. ESTABLISHED 1853. BODIDRIS.
TANKERVILLE GREAT CONSOLS.
NORTH D'ERESBY MOUNTAIN.
SOUTH OREBOR. PARYS. INDIAN MINES, &c.

THE INVESTORS'
GAZETTE,
very FRIDAY EVENING, Three stamps.

THE "SAFEST GUIDE."
PROFITABLE ADVICE—LATEST NEWS.

ING, Three stamps.

NORTH D'ERESBY MOUNTAIN.
These shares are now 25s., and should be BOUGHT AT ONCE. They were recommended at 20s., and will probably soon be DOUBLE the PRICE.
DEVON FRIENDSHIP.
This is the BEST MINE that has been offered to the public for a long time.
Shares should be AT ONCE applied for to Mr. COOKE.
ALFRED E. COOKE,
75, OLD BROAD STREET, LONDON.
(14 years at the above offices, adjoining the Stock Exchange, with which they

(14 years at the above offices, adjoining the Stock Exchange, with which they are in DIRECT TELEGRAPHIC COMMUNICATION.)

STOCKS AND SHARES,
FOREIGN BONDS, TELEGRAPHS, TRAMWAYS, RAILWAYS, AND
OTHER LEADING SECURITIES.

R. JAMES STOCKER, STOCKBROKER,
2, CROWN COURT, THREADNEEDLE STREET, LONDON, E.C.

ESTABLISHED 1848. Business transacted in all Stock Exchange Securities. British and Foreign Mines for cash or fortnighly accounts opened on receipt of the usual cover.

BANKERS: LONDON AND WESTMINSTER.

MR. W. B. COBB, STOCK AND SHARE DEALER,
29, BISHOPSCATE-STREET, LONDON, E.C.
Business transacted in every description of Stocks and Shares.
For a rise of 200 per cent, I strongly advise immediate purchase of shares in
West Lisburne and Bwich United Mines.
Full particulars, with view of the Bwich United Mines, and plan of West
Lisburne, post free on application.

isburne, post free on application. Also, shares in a dividend-paying Gold Company.

MR. W. MARLBOROUGH, STOCK AND SHARE DEALER, MR. W. MARLBOROUGH, STOCK AND SHARE DEADER,
29, BISHOPSGATE STREET, LONDON, E.C.,
Can SELL the following SHARES at prices annexed:—
Almada, 10s.
50 English-Austra, 18s 3 100 Pestarena, 8s.
55 English-Austra, 18s 3 100 Pestarena, 8s.
56 English-Austra, 18s 3 100 Pestarena, 8s.
75 Rossa Grande, 4s. 9d.
26 Brazilian Gold, 24s.
20 Franchison, 21 Served Holway.
20 Colorado, 42 11s. 3d.
20 Herodsfoot, 20s.
25 Hingston, 21 6s. 3d.
25 Hingston, 21 6s. 3d.
25 Lydian Gold, 25s.
25 Lydian Gold, 25s.
26 Lydian Gold, 25s.
27 Lydian Gold, 25s.
28 Lydian Gold, 25s.

Bwith United.
Carnaryon, 15a.
Colorado, £2 11s. 3d.
Cambrian, 19s.
Chontales, 6s. 3d.
Devon Gt. Uni., 2½
Don Pedro, 15s.
Devala Moyar, £2%.
Devon Consols, £12%.
Eberhardt, 2%.

20 Colorado, £2 11s. 3d. 20 Herodsfoot, 20s. 55 So. E. Wynnad, £1 17s. 55 Cambrian, 19s. 25 Hingston, £1 6s. 3d. 50 Chontales, 6s. 3d. 75 Killifreth, 5s. 6d. 30 Devon Gt. Uni., 2½ 20 Marke Valley, £2. 20 Devala Moyar, £2%. 75 New Quebrada, £6½. 80 West Assheron, 22s. 65 Exchequer, 10s. 6d. 20 Parys Corpor., 22s. 6d. 50 Exchequer, 10s. 6d. 20 Parys Corpor., 22s. 6d. 20 East Caradon, 2½ 40 Prince of Wales, 12s. 20 Wheal Jane, 16s. 6d. 30 Strongly recommended for a rise of from 10 to 200 per cent., Bwich United and West Lisburne. Full particulars of these properties, with plan of West Lisburne and view of the Bwich Mine and its dressing-floors, now ready, and may be had on application.

THE "DIFFERENTIAL" PUMPING ENGINE (DAVEY'S PATENT),

DRAINING MINES, WATER SUPPLY OF TOWNS, IRRIGATION, SUPPLYING DOCKS, PUMPING SEWAGE, and GENERAL PUMPING PURPOSES.

HATHORN, DAVEY, AND CO., LEEDS.

HATHORN, DAVEY, and Co. have Patterns of "Differential" Engines of all sizes, from 5 to 500-horse power, and have facilities for supplying very powerful Engines and Pumps at a short notice.

See Illustrated Advertisement every alternate week.

C H A R L E S T H O M A S, MINING AGENT, STOCK AND SHARE DEALER, 3, GREAT ST. HELEN'S, LONDON, E.C.

. A L F R E D T H O M A S,
MINING AGENT, AND STOCK AND SHARE DEALER,
10, COLEMAN STREET, LONDON, E.C.

SOUTH WHEAL CREBOR.—Mr. ALFRED THOMAS has business both as buyer and seller in these shares.

Just published.

MINING INVESTMENTS.

"What to Select, and What to Avold," by ALFRED THOMAS, 10, Coleman street, London, E.C. Will be forwarded on receipt of 12 stamps.

MR. EDWARD ASHMEAD, 2, DRAPER'S GARDENS, LONDON, E.C., MINING SECRETARY, AUDITOR, AND ACCOUNTANT.

BRITISH AND FOREIGN MINES, RAILWAYS, TELEGRAPHS, INSURANCES, and EVERY DESCRIPTION OF TELEGRAPHS, INSURANCES, and EVERY DESCRIPTION OF SECURITY DEALT IN, at net prices, cash or for the account. Mines inspected in any part of the United Kingdom for a small charge. No charge for recommendations to ordinary customers, but to those who have not dealt with Mr. R., a charge of One Guinea is made for the Select List of Mines good for Investment or Speculation. Mr. REYNOLDS'S opinions are unbiassed by proprietorship or otherwise, and his facts are gathered at considerable trapple and expense. able and expense.

Mr. Reynolds is also a buyer and seller of Shares in the leading Mines such as Oarn Brea, Cook's Kitchen, East Pool, West Basset, South Frances, West Kitty, North Busy, Wheal Peevor, West Peevor, New Kitty, &c.

Apply to-JOHN B. REYNOLDS, STOCK AND SHARE DEALER, 37, WALBROOK, LONDON, E.C. ESTABLISHED 22 YEARS. BANKERS: LONDON JOINT STOCK BANK, Princes-street.

See Mr. REYNOLDS's remarks on page 1372.

M R · F. R E E D W I L S O N ,

DEALER IN STOCKS AND SHARES,
30 FINS B URY CIRCUS, E.C.

Mr. Wilson begs to direct attention to the fact that he has, at the instance of numerous correspondents, opened an agency for the purchase and sale of Stocks and Shares.

numerous correspondents, opened an agency for the purchase and sale of Stocks and Shares.

Mr. Wilson has had a life-long initiation into the mysteries of British and Foreign Mines, both as a large holder of shares and manager of companies, and he thinks he is qualified by long and dear experience to give sound and honest advice as to investments in such securities.

All transactions must be for eash, or fortnightly settlement, and speculative bargains in mining shares will not be entertained without substantial cover.

Mr. Wilson subjoins a list of mines with whose intrinsic or prospective merits he is intimately acquainted.

East Crebor.

East Van.

Derwent.

Lead Era.

Morfa Du.

Wheal Grandon.

Wheal Basset.

Wheal Grenville.

Frazilian Gold.

Frontino and Bolivia.

Brazilian Gold. Colombian Hydraulic.

Frontino and Bolivia. Richmond. Ruby. South East Wynaad. South Indian.

Emma.

NORTH HERODSFOOT.—These shares are strongly recommended for a rise. The shaft is cleared to the 70, and within ten days the men will be in the 50 and 80 fm. levels, where it is known that a rich body of ore is standing. Shares in demand; price 11s. to 13s.

WHEAL BASSET, £5½ to £6½. A circular from the purser announcing an important discovery has been sent to each shareholder. Shares will go to £10.

LA PLATA have declared their fitteenth monthly dividend of 9 per cent, per annum, carrying forward \$50,000. Shares in active demand, and should be bought at once at the present low price of £1½ per share.

West Caradon, East Van, Parys Copper, and Roman Gravels good to buy.

MESSRS. ENDEAN AND CO., STOCK AND SHARE DEALERS, 85, GRACECHURCH STREET, LONDON, E.C. ESTABLISHED 1861.

BANKERS: LONDON AND WESTMINSTER, Lothbury; and BARCLAY, BEVAN, and CO., Lombard-street, E.C.

MR. JOHN RISLEY, STOCK AND SHARE BROKER, 58, CORNHILL, LONDON E.C. ESTABLISHED 20 YEARS.
WEST CARADON, PARYS, and NEW WEST CARADON specially recom-

SHARES BOUGHT OR SOLD ON COMMISSION.

JOHN BANTING ROGERS, STOCK AND SHARE DEALER, ST. CLEMENT'S HOUSE, LOMBARD STREET, LONDON.

EKINS AND CO., STOCK AND SHARE DEALERS, 14, QUEEN VICTORIA STREET, LONDON, E.C. Special information respecting Tin, Lead, and Copper Mines.

INVESTMENTS.—The BEST SELECTIONS for QUICK NVESTMENTS.—The BEST SELECTIONS for QUICK PROFITABLE RETURNS from Sound marketable Securities—the outlay comparatively small, the gain frequent and considerable, the latter having doubled the amount of the former last account. Our selections for this account important. Great results expected.

Address, Messrs, Hume and Co., Financial Agents, Crosby Hall Chambers, London, E.C.

N.B.—Mine Shares also Bought or Sold.

R A N C I S F R A N C I S , CORN EXCHANGE CHAMBERS, CHESTER, HAS SPECIAL BUSINESS in HALKYN DISTRICT DRAINAGE, RHYDALUN, RHOSESMOR. NORTH HENDRE, and PEN-YR-ORSEDD. Also, in PITANGUI (Gold), BRAZILIAN GOLD MINES, SANTA BAR-BARA, and WEST FRONTINO.

MR. JOHN L. M. FRASER

(Fourteen Years at the Great Minera Mines)

CONSULTING MINING ENGINEER, &c.,

GREENFIELD HOUSE, WREXHAM,

WILL VISIT the Mining Districts of MIXERA, LLANARMON, MOLD,

D'ERESBY, and BRITISH SILVER-LEAD next week. Instructions received up to Tuesday's post.

ON SALE-HORIZONTAL, VERTICAL, and PORTABLE WINDING and POMPING ENGINES, LIFTS OF PUMPS, PIT HEADS, SAW BENCHES,

MINING STEEL, a complete SET of GOLD MINING PLANT, &c. Enquiries advance in price from 20 to the particulars of contact.

Investors should at once apply for particulars of certain Mines that will advance in price from 30s to 500 per cent.

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### INCREASED VALUE OF WATER-POWER.

### MacADAM'S VARIABLE TURBINE.

This Wheel (which is now largely in use in England, Scotland, and Ireland) is the only one yet invented which gives proportionate power from both large and small quantities of water. It can be made for using a large whiter supply, and yet work with equal efficiency through all variations of quantity down to a fith, or even less if required. It is easily coupled to a steam-engine, and in this way always assists it by whatever amount of power the water is capable of giving, and therefore saves so much fuel.

This Turbine is applicable to all heights of fall. It works immersed in the tailwater, so that no part of the fall is lost, and the motion of the Wheel is not affected by floods or back-water.

References to places where it is at work will be given on application to—

MacADAM BROTHERS AND CO., BELFAST.

### WIRE ROPES. JOHN AND EDWIN WRIGHT



ESTABLISHED 1770.

UFACTURERS OF EVERY DESCRIPTION OF IMPROVED

### Patent Round and Flat Wire Ropes

From the very best quality of Charcoal and Patent Steel Wire. Galvani Wire, Ropes for Ships' Rigging, Galvanised Signal and Fencing Stra Copper Rope, Lightning Conductors, Collery Ropes and Steam Plot Ropes made from the best Patent Improved Steel Wire.

PATENT ROUND AND FLAT HEMP ROPES,

Remp, Flax, Engine Yarn, Cotton Waste, Tarpauling, Oil Sheets, Brattice
Cloth, Wagon Covers, &c., &c.

UNIVERSE WORKS, MILLWALL, POPLAR, LONDON.

UNIVERSE WORKS, GARRISON STREET, BIRMINGHAM. CITY OFFICE—No. 5, LEADENHALL STREET, E.C. All communications to be forwarded to the BIRMINGHAM ADDRESS.







▲ LIPLOMA-HIGHEST OF ALL AWARDS-given by the eographical Congress, Paris, 1875-M. Favre, Contractor, having e xhibited the McKean Drill alone as the MODEL BORING MACHINE or the St. GOTHARD TUNNEL.

SILVER MEDAL of the Highland and West of Scotland Agricultural Society, 1875—HIGHEST AWARD.

At the south end of the St. Gothard Tunnel, where

### THE MCKEAN ROCK DRILLS

Are exclusively used, the advance made during eight consecutive weeks, ending February 7, was 24.90, 27.60, 24.80, 26.10, 38.30, 27.10, 28.40, 28.70 metres. Total advance of south heading during January was 121.30 metres, or 133 yards.

In a series of comparative trials made at the St. Gothard Tunnel, the McKean Rock Drill continued to work until the pressure was reduced to one-half atmosphere (71 lbs.), showing almost the entire motive force to be available for the blow against the rock—a result of itself indicating many advantages.

The GREAT WESTERN RAJIWAY has adopted these Machines for the SEVERN TUNNEL; the LONDON AND NORTH-WESTERN RAILWAY for the FESTINIOG TUN-NEL: and the BRITISH GOVERNMENT for several Public Works. A considerable number of Mit. og Companies are now using them. Shafts and Galleries are driven at from three to six times the speed of hand labour, according to the size and number of machines employed, and with important saving in cost. The ratio of advantage over hand labour is greatest where the rock is hardest.

These Machines possess many advantages, which give them value unapproached by any other system of Boring Machine.

THE MCKEAN ROCK DRILL IS ATTAINING GENERAL OSE THROUGHOUT THE WORLD FOR MINING, TUN-NELLING, QUARRYING, AND SUB-MARINE BORING,

The McKEAN ROCK DRILLS are the most powerful-the most portable—the most durable—the most compact—of the best mechanical device. They contain the fewest parts-have no weak parts-act without shock upon any of the operating parts-work with a ower pressure than any other Rock Drill-may be worked at a higher pressure than any other -may be run with safety to FIFTEEN HUNDRED STROKES PER MINUTE-do not require a mechanic to work them-are the smallest, shortest, and lightest of all machines-will give the longest feed without change of tool-work with long or short stroke at pleasure of operator.

The SAME Machine may be used for sinking, drifting, or and accidents. The various methods of mounting them are the most efficient.

N.B.-Correspondents should state particulars as to character of work in hand in writing us for information, on receipt of which a special definite answer, with roference to our full illustrated catalogue, will be sent.

PORTABLE BOILERS, AIR COMPRESSORS, BORING STEEL, IRON, AND FLEXIBLE TUBING.

The McKean Drill may be seen in operation daily in London.

### McKEAN AND CO.

5. RUE SCRIBE, PARIS

MANUFACTURED FOR MCKEAN AND CO. BY Messes P. and W MacLELLAN, "CLUTHA IRONWORKS, GLASGOW.

## SAMUEL DENISON & SON'S

### ACCURACY, DURABILITY, AND DESIGN.

SPECIALLY ADAPTED FOR COLLIERIES, MINES, IRONWORKS, BRICKWORKS, AND RAILWAYS,

SPECIALITE!!—Pit-bank Weighing Machines, with our latest improved Double Steelyard Indicator. NO LOOSE WEIGHTS. Simplest and most perfect ever brought out.

Works: OLD GRAMMAR SCHOOL FOUNDRY, LEEDS.

ESTABLISHED 1852.

### SEARLS, COMPANY,

STEEL, CELEBRATED MINING CAST STEEL FOR TOOLS, SHEAR, BLISTER, AND SPRING STEEL,

Cast Steel Drills. Solid Steel Hammers. Steel Picks. Steel Wedges.

Saws. Files. Wagon Springs. Shovels.

Anvils. Vices. Bellows. Engineers' Tools.

CANNON STEEL WORKS, SHEFFIELD.

### CALVANIZED IRON BUILDINGS AND IRON ROOFING.

SAMUEL C. HEMMING 47. MOORGATE STREET,

Manufacturers of every description of IRON BUILDINGS and IRON ROOFING, beg to draw attention to their Speciality of Construction of Iron Buildings, now becoming so generally approved by the introduction of gal vanized iron louvres to open and shut, as per sketch (verandah may be added). Any of the spaces in walls can be made into doors, or they can be filled in from top to bottom with galvanized corrugated iron, or with galvanized iron louvres or windows, and with without light and ventilation in roof.



Works: Old Ford, London.

Numerous drawings may be seen at the Office, 47, Moorgate Street, London.

TESTIMONIALS FROM ALL PARTS OF THE WORLD. ESTABLISHED 1851.

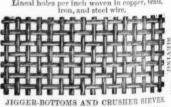
### PERFORATORS, WIRE WEAVERS, AND GENERAL IRONMONGERS,

J. AND F. POOL,

HAYLE, COPPERHOUSE, CORNWALL.

CERTIFICATE OF MERIT Awarded by the Mining Institute of Cornwall

\*SIEVES AND GRATES, Shown at the Annual Exhibition, 1879.



Manufacturers of Stamps-Grates, Sieves, and Riddles, for Mining and other purposes, by Self-acting Steam Machinery. SPECIALITY.—Thick Copper, Brass, Zinc, and IRON Perforations, Classifying-Sieve Pierced Pulveriser and Stamps-Grates up to 289 holes to the square inch, Coppe bottom "Tinsifts," Spigot and Faucet Zinc Air-pipes, Powder Charges, &c.

### ARCHIBALD BAIRD AND SON,

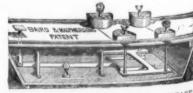
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CEEEEEEEE THE REPORT OF THE PARTY OF THE COLLEGER RATCHETS. BORING With 3 Cast Steel up to 31 feet, Freestone. Drills to Bor for Faikes, Freestone, PRICE, 30s. tone, &c.,

EACH.



BAIRD'S IMPROVED SOLID MOULDED GUTTA PERCHA PUMP BUCKETS Price, 3s. 9d per lb'



BAIRD AND MACPHERSON'S PATENT TUB GREASER.

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This Company having over 7000 yards run of ascertained Gold Reefs on their property of 320 acres, it is proposed to subdivide and sell portions of the Reefs.

The Devala-Moyar Gold Mining Company have recently sold 50 acres of their property for £130,000.

### Mysore Reefs Gold Mining Company, Limited. MYSORE TERRITORY, MADRAS PRESIDENCY.

Incorporated under the Companies Acts, 1862 to 1880, whereby the liability of each Shareholder is limited to the amount of his Shares.

The property of this Company is described in the Revenue Map as the "Ooregum Gold Fields," and was not acquired until after a special examination had been made by Mr. John Harris, Mining Engineer, employed by Messrs. Arbuthnot and Co., Bankers, Madras, for that purpose.

Mr. John Harris ascertained and reported:—

"THA THE NUMBER OF QUARTZ REEFS WHICH HAVE HEAVY OUTCROPS SHOWING UP, and that may also be traced by very extensive (Native) surface workings, is six, and they can be traced from the 'OOREGUM MINE' on the north end the field RIGHT THROUGH TO THE SOUTH END OF THIS BLOCK."

ONE OF THE REEFS RUNNING THROUGH THIS COMPANY'S PROPERTY into the adjoining Ooregum Company's block has lately been proved, and from a depth of 80 ft. 17 tons of quartz were raised, which yielded a bar of gold weighing 40½ ozs. (assay 92½ per cent. of gold, and 7½ per cent. of silver), EQUAL TO 2 ozs. 8 pwts. OF GOLD PER TON; and later reports state that 9 tons of quartz from an adjacent lead gave 27½ ozs. of Gold, and stone of equal richness is now being raised.

THIS PROPERTY FORMS PART OF THE BLOCK OF THE MADRAS GOLD MINING COMPANY, of which Sir W. W. Arbuthnot, Banker, Madras, is Cheirman, and the readiness with which the capital of that company was subscribed in Madras is submitted as conclusive evidence THAT IN INDIA THE PROPERTY PURCHASED BY THIS COMPANY HAS A KNOWN AND ESTABLISHED VALUE.

THE MYSORE GOLD MINING COMPANY have also three Blocks close to this Company's property on the same auriforous reefs, and Mr. Davis, sent out by Messrs. John Taylor and Sons, says—"That the auriferous lodes are true fissure veins, and that the most important lode has been traced north, through the Ooregum Company's property, and southward for four miles," passing, therefore, right through and beyond the Company's property.

Professor W. Vazie Simons, Mr. E. W. Lindon, C.E., and Mr. Munday have all reported most favourably on these reefs. and Professor Simons says:

"Never during the course of a very large experience of Gold Mining properties in Victoria, Australia, America, and other countries have I seen a more likely field for sound enterprise—sound, because it can scarcely even be called specluation, as the precious metal has for generations been extracted in quantity by the rudest appliances and by primitive workers until stopped by water—by the presence of Gold in payable quantities on the surface."

The whole of the six auriferous lodes run through this property.

Capital £120,000, in Shares of £1 each,

PAYABLE-1s. on Application, and 4s. on Allotment; the balance of Calls at the rate of 5s. each, with one month's notice.

ROBERT ANGUS, Esq., East India Merchant, 41, Russell Road, Kensington. Major C. S. BLAIR, late Officiating Deputy Commissioner of Mysore Province, 3, Pall Mall Place. Lieut.-Col. HENRY DAY, late Military Storekeeper, Bengal, Holcom, Ferryside, S. Wales.

THOMAS EYRE FOAKES, Esq., Chairman of the Frontino and Bolivia Gold Mining Company (S. America), Limited. TUFNELL SOUTHGATE, Esq., Chairman of the Roman Gravels Mining Company (Limited). HENRY WILSON, Esq., Director of the Ooregum Gold Mining Company (Limited).

PETER WATSON, Esq., Chairman and Managing Director of the Devon Great Consols Company, Director of the Great Laxey Mining Company, &c., Austin Friars—London Manager.

> THE AGRA BANK (Limited), 31, Nicholas Lane, and THE ALLIANCE BANK, Bartholomew Lane, E.C.—Bankers.
>
> Messrs. LANE AND ANDREWS, 32, Essex Street, Strand—Solicitors.
>
> Consulting Engineer—Professor W. VAZIE SIMONS. AGENTS IN INDIA—ARBUTHNOT and CO., Madras. SECRETARY—Mr. R. HODSON.

LONDON OFFICES,-18, AUSTIN FRIARS, E.C.

### PROSPECTUS.

This company has been formed to purchase and work about half a spare mile of gold-bearing land, having six ascertained auriferous reefs running through it. It is situated at an elevation of 3000 ft. on the Mysore Plateau, in the district of Kolar, in the Mysore Territory, about five miles from the Camasamudrum Railway Station, to which there is a level of a contract.

tory, about five miles from the Camasamudrum Railway Station, to which there is already a cart-road.

The vendor derives his title to the land and mining rights from the Madras Gold Mining Company (Limlted), who hold a sub-lease from the concessionaires, to whom the original lease (including this and other property) was granted by the Government of Mysore. The sub-lease to be purchased by the company is for a term of 30 years less a few days, from the 13th of August, 1880. The rent payable under this sub-lease is small, with an annual royalty payable to the Government of India of £5 per cent. on the value of the gold raised. The Government is so desirous of encouraging the introduction of capital into the country for mining purposes that it is believed that

The Government is so desirous of encouraging the introduction of capital into the country for mining purposes that it is believed that this royalty will not be demanded, at all events for some years.

The property covers about 320 cares, with a run of about 1200 yards north and south on the course of the auriferous quartz reefs, and a width of about 1290 yards from east to west. The land has been selected in this way so as to take in all the main reefs and as little baren ground as possible.

The Ooregum Gold Mining Company, the Mysore Gold Mining Company, and the Madras Gold Mining Company have properties immediately adjoining this company's on the north and south, and the same auriferous reefs traverse each property. The present market value of the shares of the above companies affords tangible proof of the estimation in which the reefs are held:

Per cent. premium.

The Ooregum Gold Mining Company's shares ... 300

The Mysore Gold Mining Company's shares ... 150 to 175

The Madras Gold Mining Company's shares ... 50

This company's property is part of a tract of country which is described in the revenue maps as the Ooregum Gold Fields.

The native were in the habit of working these fields in the rudest and most primitive manner, and they appear to have been unable to devise means for getting rid of the present warms of the present warms of the present warms.

and most primitive manner, and they appear to have been unable to devise means for getting rid of the water beyond a depth of 12 fms.;

devise means for getting rid of the water beyond a depth of 12 Ims.; thus they have only worked at the off-shoots from the main lodes, which are all true auriferous fissure veins.

One of the anriferous lodes which runs through this property into the adjacent Ooregum Gold Company's block has been proved to a depth of 90 ft.; and, at about 80 ft. from surface, 17 tons of quartz were raised, which yielded a bar of gold weighing 40½ ozs. (assay 9½ per cent. of gold and 7½ per cent. of silver), equal to 2 ozs. 8 dwts. per ton, and later reports state that 9 tons of quartz from an adjacent lead gave 271 ozs. of gold, and stone of equal richness is now ent lead gave  $27\frac{1}{3}$  ozs. of gold, and stone of equal richness is now

is property has been specially examined and reported upon by n Harris, mining engineer, for Messrs. Arbuthnot and Co. bankers, of Madras.

bankers, of Madras.

The following are extracts from his report, dated May 10, 1180:—

"The number of quartz reefs, which have heavy outcrops showing up, and that may also be traced by very extensive (native) surface workings is six; they can be traced down from the Ooregum Mine on the northend of the field right through to the south end of this block, which is called the Mathamungalum block. The run or course of the reefs is in a northern or southerly direction; they run tolerably parallel to each other, and dip from 45° to 70°. The colour of the quartz below the surface of the ground is of a dark bluish grey, and is far more auriferous than the pure white quartz."

through this property, says:

"Not only in every watercourse examined, but also from the dust collected along the lines of the reefs, fine gold in considerable quantities was, in every instance, the result of very rough washings by women with their 'Muriyas,' or shallow wooden basins, giving me ample proof of the highly auriferous nature of the reefs and their surroundings. surroundings.

surroundings.

"In ages gone by the whole face of the country appears to have been cut up by the ancient miners, whose considerable excavations I came across in every direction; and it is a matter of historical notoriety that enormous quantities of precious metal were annually extracted by those old workers until they were stopped at a depth of about 70 ft. by the influx of water, which they had no appliances to contend against effectually."

Water sufficient for all requirements, it is anticipated will be sup-

Water sufficient for all requirements, it is anticipated, will be supplied by the mine pumps; and good storage obtained by repairing at a small cost the present bleached tanks on the block.

Timber for mine purposes can easily be brought by rail from Calicut and abundance of fuel is obtainable on the spot at 8 rupees per ton.

Labour to any extent can be obtained from the surrounding villages

Labour to any extent can be obtained from the surrounding villages at about 6d, per day.

The result of the workings on the adjoining Ooregum Gold Company's block shows that at a depth of 15 fathoms, levels can be driven, and auriferous lodes which traverse this property can be worked, yielding quartz which assays 2 ozs. 8 dwts. per ton. The directors have every right from past experience to assume that this average will increase with depth; they have based their calculations of profit upon mining, milling, and reducing, during the second half of the first year, 50 tons per day, and this would give the following results on a yield of 1 oz. per ton:

The shallow depth to which this company will thus have to sink before the steady and regular extraction of ores commences will, it is calculated, enable the directors to make the mine a dividend paying one in much less time than is usual where greater depths have to be sunk before driving out along the lodes.

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This company will thus have to sink the directors to make the mine a dividend paying one in much less time than is suculated, enable the directors to make the mine a dividend paying one in much less time than

1 oz. of gold per ton of quartz on 50 tons per day equals 50 ozs., at £3 10s. per ounce ..................................£175 0 0 Cost of mining, milling, and reducing 50 tons per day, at 12s. per ton .....

It is estimated that six months will be ample to get the mines and reduction works into a state capable of yielding and operating upon 50 tons per day. Thus during the second six months of the existence of the company a profit of (say) £145 per day on 150 days can be earned, or a total of £22,750 on six months' work.

During the second year the mining and milling operations would be increased to 100 tons per day, with the following estimated results :-

Profit per day ......£290 300 days at £290 per day shows an annual profit of £87,000 upon a yield of 1 oz. per ton

"All the reefs, together with the head and foot walls of trap-rock, appear to be very regular, and from a superficial survey no fault or break in the ground is found.

"Several samples of quartz taken from the reefs haphazard, crushed and washed, all gave a good show of gold."

Professor Simons, in reporting upon the same reefs which run through this property, says:—

Extimate of working 100 tons of quartz per day, yielding 1 oz. of gold per ton.

Extended from the reefs haphazard, crushed and washed, all gave a good show of gold."

Extimate of working 100 tons of quartz per day, yielding 1 oz. of gold per ton.

EXPENDITURE.

EXPENDITURE.

Total ......£25,000 0 0

RETURNS.

100 tons per day, equal 30,000 tons per annum, at 1 oz. per ton, equal 30,000 ozs., at £3 10s. per oz. £105,000  $\,$  0  $\,$  0

COSTS Mining, milling, and reducing, in-.. £18,000 0 0

1,500 0 0= 19.500 0 0 Net annual profit upon a yield of 1 oz. per ton £ 85,500 0 0

The shallow depth to which this company will thus have to sink

base their calculations upon a yield of only 1 oz. per ton.

The company is promoted by the vendor, by whom the consideration to be paid for the property has been fixed at £75,000, of which £30,000 will be paid in shares, and the balance in cash. The incidental expenses to the paid by the company will not exceed 2 per part where the capital paid is  $\frac{1}{2}$ .

cent. upon the capital. The following agreements have been entered into:-

Dated 1st November, 1880, between the Madras Gold Mining Company (Limited) and Charles Stevens.

Dated 12th November, 1880, between Charles Stevens and Robert

Angus, as trustee for the company.

These agreements, together with the Memorandum and Articles of Association, and the reports, can be seen at the offices of the solicitors of the company.

Prospectuses and Forms of Application for shares can be obtained at the offices of the company, and from the company's bankers brokers, and solicitors

If no allotment is made the amount paid on application will be

### Friendship Mining Company Devon

To be Incorporated under the Companies Acts, with Limited Liability.

CAPITAL £60,000, IN SHARES OF £1 EACH.

Ten Shillings per Share payable with application, and Ten Shillings in fourteen days after allotment.

H. W. LAMB, Esq., Anerley, Director of the D'Eresby Mountain Mining Company.

JAMES MACFARLANE, Esq., Gresham Buildings, Director of the Wheal Crebor Mining Company.

J. H. MURCHISON, Esq., F.R.G.S., 8, Austin Friars, E.C.

SAMUEL YORK, Esq., Wolverhampton, Director of the Tankerville Great Consols, and the Devon Great United Mining Companies.

BANKERS.

THE IMPERIAL BANK (Limited), Lothbury, London.

SECRETARY AND OFFICE.

MR. J. H. A. SMITH, 8, AUSTIN FRIARS.

ABRIDGED PROSPECTUS.

shareholders.

The rate of dues originally paid was 1-10th, which was reduced in 1852 to 1-18th, but in 1874 a new lease for 21 years was obtained at 1-30th, and if that rate had been payable from the beginning it would have made a difference to the shareholders of nearly £66,000, and augmented their divisible profits to £376,000.

Until the last few years there was no railway near the property; now there is a station within half-a-mile, a very great advantage as regards carriage, labour, &c.

regards carriage, labour, &c.

It is considered by good practical authorities that the south part of the property is one of the finest pieces of mining ground in West Devon, and that the vigorous working of Bennet's and the other south lodes, which are as yet almost entirely unwrought, and which

In order to carry on the operations as quickly and cheaply as possible, boring machinery will be extensively used. It is further very important that the old part of the mines can be worked by water-

This celebrated and very valuable and extensive mine is situate about 4 miles from Tavistock, Devon, and has been at work many years, during which it has yielded copper and other ores to the amount of nearly £1,500,000, out of which a very large sum has been expended on the mine (besides a limited capital); £113,436 has been paid in dues to the lessor, and £310,000 has been divided among the shareholders.

The rate of dues originally paid was 1-10th, which was reduced in 1852 to 1-18th, but in 1874 a new lease for 21 years was obtained at 1-30th, and if that rate had been payable from the beginning it would have made a difference to the shareholders of nearly £66,000, and if that rate had been payable from the beginning it would have made a difference to the shareholders of nearly £66,000.

Until the last few years there was no railway near the property; now there is a station within half-a-mile, a very great advantage as nostly thrown away.

his source will be made, yet it is chiefly to the copper as well as to eturns of the they look for large and permanent favourable esults. The quality of the copper ores from this property has litherto been unusually good, while the tin found formerly was nostly thrown away.

In order to carry on the operations as quickly and cheaply as possible, boring machinery will be extensively used. It is further very mportant that the old part of the mines can be worked by water-lower.

The only contracts are the following: one dated the 27th day of the mines can be obtained at the office, and in a shareholder will ensure his best attention to the eturns of the theorem as a shareholder will ensure his best attention to the eturns of the theorem and the company.

A large number of the shares are already subscribed for, and in allotting the remainder preference will be given to applicants who allotting the remainder preference will be given to applicants who allotting the remainder preference will be given to applicants who allotting the remainder preference will be given to applicants who allotting the remainder preference will be given to applicants who allotting the remainder preference will be given to applicants who allotting the remainder preference will be given to applicants who allotting the remainder preference will be given to applicants who allotting the remainder preference will be given to applicants who allotting the remainder preference will be given to applicants who allotting the remainder preference will be given to applicants who allotting the remainder preference will be given to applicants who allotting the remainder preference will be shared as a shareholder will ensure his best attention to the affairs of the company.

### WATSON BROTHERS' MINING CIRCULAR.

WATSON BROTHERS,

MINEOWNERS, STOCK AND SHARE DEALERS, &c 1, ST MICHAEL'S ALLEY, CORNHILL, LONDON.

THE KIRK MICHAEL MINE, in the Isle of Man (extending over 500 acres), and held under lease direct from the Crown for 21 years, and dated Feb. 29, 1868, was first discovered eight or ten years ago, and worked on one lode only; from this, at Nos. 1 and 2 shallow levels, lead ore to the value of 2878. Ils. 11d. was raised and sold. The principal proprietors then died, disputes and Chancery proceedings succeeded, and eventually the mine was sold in one lot; and it has been carried on from that time at a considerable outlay underground and at surface, with a view to test and prove its value in depth and erect the necessary machinery before offering it to the public. This has been done.

The mine is worked by water-power; there is a good water-wheel,

The mine is worked by water-power; there is a good water-wheel, crusher, dressing-floors, and steam-engine as an auxiliary should the water at any time fall low; and the surface works have been made

water at any time fall low; and the surface works have been made as perfect as possible.

The course of ore, from which 2728l, worth was raised from the shallow levels, is 50 fms. long, and almost continuous; and the late manager writes as follows—"It may be confidently expected that the lode will be more productive in a lower level than it was in No. 2; but, supposing it to be only the same, it would then yield about 1 ton per fathom for a distance of 50 fathoms, and if this is multiplied by 15, which is the depth in fathoms between Nos. 1 and 2, it follows that 750 tons of ore may be relied on being obtained. This at the present price would realise about 8500l., subject only to the cost of raising it on tribute, royalty, cartage, and other general expenses." This is written of one level only, which is nearly reached.

During the last twelve months, in addition to the work done at surface and to the machinery, levels have been communicated to facilitate future working; and the sump-shaft has been sunk 9½ fathoms below No. 2 in a good lode, worth 1 ton of lead per fathom. During this preliminary work 30 tons of lead ore have been raised from the sump and one stope only.

In addition to this, however, there is rather an extraordinary feature connected with the mine, similar to one which in about the year 1840 med one of the greetest discoveries of lead ore very known.

In addition to this, however, there is rather an extraordinary feature connected with the mine, similar to one which in about the year 1840 made one of the greatest discoveries of lead ore ever known. This was at Foxdale, a few miles off, in a similar mountain range, and precisely under the same condition of things at at Kirk Michael. Beckwith's lode at Foxdale was a soft slide vein, in places about 30 ft. wide, and the cause of the great deposit was the crossing of another lode, in itself only about 1 ft. wide, and worth about \( \frac{1}{2} \) ton to 1 ton per fathom, but its effect on the great slide was enormous. The deposit of ore was 60 fms. long, and lasted down to the 120 fm. level, yielding a prafit of about 300,000l. Capt. Rowe, who inspected this great discovery in 1845, and saw a course of ore in the 50 worth 15 to 20 tons of lead to the fathom, writes in regard to Kirk Michael—"The case is nearly the same as two eggs can be; the lode now working on at Kirk Michael is a north and south lode, with a regular leader of ore quite as good as the one at Foxdale—and here also is a similar and immense east and west lode (only larger) which the north and south lode will drop into at no great distance below us. Where this great lode or slide has been seen in the adit, which is close to surface, it is impregnated throughout with mineral—lead, blende, and copper. I am sure some such great result will follow below, and it will not take much time or capital to get The mine has been brought into its present state for regular and

increasing returns of lead through a considerable outlay of money; and to test the grand speculation in depth referred to, and which may occupy twelve months, the mine has been sold to a co is the necessary working capital, the price charged for the mine and work done being entirely taken in full paid-up shares.

The company is in 20,000 shares of 1l. each (limited). Of these

15,000 are taken by the vendors as fully paid up, in lieu of money Of the 5000 capital shares 2000 may be kept in reserve.

Of the 3000 now offered at par 1000 have been taken by one gen-

tleman, who will join the direction, and the 2000 will be allotted to first applicants, either to us or to the secretary, Mr. W. H. H. Watson 10s. on application and 10s. on allotment.

No prospectus will be issued, and the only contract relating to the

seen at the office of the company, St. Michael's-alley, Cornhill, London, or at Messrs. Stacpool and Sons, Pinner's-court, Old Broad-

London, or at Messrs. Stacpool and Sons, Pinner's-court, Old Broadstreet.

Of the above vendors, Messrs. Orlando Webb, James Macfarlane, and J. Y. Watson (all three directors of Wheal Crebor), will be members of the Board of Directors of Kirk Michael.

The company has been completely registered, and since our notice of last week several hundreds of shares have been applied for, and as a certain number will be reserved to offer the Wheal Crebor and West Crebor shareholders, early application must be made for the remainder.

Forms of application may be had at the office.

Forms of application may be had at the office.

The following is a report of the mine, from which it will be seen—lst, from present discoveries laid open the mine is on the eve of making profitable returns; and, 2nd, during the sinking the shaft to

—lst, from present discoveries laid open the mine is on the eve of making profitable returns; and, 2nd, during the sinking the shaft to the junction, where such great results are expected, and which will occupy about 12 months, a large and increasing extent of ore ground will be opened out at each successive level on the present lode: — Minydon, Isle of Mine, Oct. 7.—The Kirk Michael Mine is on the western slope of hills which divide it from the Laxey district, and is also about seven miles from the Foxdale Mines. The mine is in good clay-slate rock, traversed with courses of elvan, and contains several powerful lodes, but up to the present only one has been worked—a north and south lode underlying east, and in these respects resemble exactly the Great Laxey lode. The mine is in the side of a mountain 1600 ft. above sea level. Two adit or day levels have been driven into the hill side on the north and south lode, and 50 fms. of continuous ore ground discovered. The width of the lode is from 4 to 5 ft., but clearly showing a tendency to increased width in depth. During the time the mine has been in our possession levels and shafts have been cleared and communicated, and a sump sunk 10 fms. in new ground, in which the lode is found to be strong, and increasing in ore as we descend; worth now in the bottom from 1 to 1½ to no flead per fm. A small piece of ground has been stoped away northwards from the top of the sump to prove the lode, and from the sump and atopes 25 tons of ore have been broken. In the bottom of the sump the lode is wider and richer than seen at all, and to all appearance the mine is a large east and west lode over 40 ft. wide, which has only been cut through, and found to be strongly mineralised. In following down the north and south lode it will drop into this immense east and west lode in about 25 fms. sinking, and at this point 1 believe a large deposit of ore will be found. A similar junction of two lodes in every way the same took place at the Beckwith Mine, Foxdale, and resulted in the la

Arsenic and arsenic alone has, of late years, made Devon Great onsols what it is; the district is full of arsenical mundic, which Consols what it is; the district is full of arsenical mundic, which in many of the old copper mines worked years ago was left untouched (as it had no market value); but now, owing to the price of arsenic, several mines are being started with large capitals to work for mundic. Wheal Crebor has always raised with its copper ore (eastward) a few hundreds of tons of arsenical mundic every year, and there is also a large deposit in Prince of Wales, from which the late company sold several parcels when the price was too low to do any good. In and around Kelly's shaft in Wheal Crebor tradition states that large quantities were left in the levels when the copper was taken away, and that the shaft was so hot from the mundic that men had difficulty in working it. The agents are, therefore, now clearing out the adit to this shaft with the view of discovering the quantity of arsenical mundic to be obtained, and this may have caused some demand for the shares since our last though in fact the mine is demand for the shares since our last, though in fact the mine is looking better for copper.

There is as fine a lode in the shaft at West Crebor as can be se

anywhere at the depth, and the mine is a splendid speculation; but of course it will take time to develope it, and for this there is ample capital in hand.

There seems to be something coming in at the trial cross-cut at the 70 East of Gwen's shaft at Parys Corporation.

The lode of arsenical mundic at Prince of Wales is quite distinct The lode of arsenical mundle at Frince of water is quite distinct from the present workings and can be worked dry. Formerly it was let on tribute to arsenic makers, and the manufactory is close to the lode. Of course it will receive the attention of the committee. We have said before there was no real cause for the fall in shares.

THE FORTESCUE TIN MINES.—There is some interesting reading in an advertisement which appears in our columns to-day-the

chinery of every kind except stamps. Subscriptions are now aske for at 2l. per share to erect these stamps and set two mines goin instead of one. On perusal of our last page it will be seen the whole capital together is only 10,000L, so there is ample room for profits. Messrs. Thompson and Sons, of Plymouth, are the secretarie and managers, to whom subscribers should apply.

West Kitty.—At the four monthly meeting of shareholde held on Thursday (Mr. John B. Reynolds in the chair), the balan sheet showed cash in the hands of the bankers 3044, with no liabi-ties excepting 701., minimum rents (just due), due and unpaid. If announcement of the result of the recent improvements at the min ties excepting 70%, minimum rents (just due), due and unpaid. If announcement of the result of the recent improvements at the mit took the meeting completely by surprise, as it will also the publiseeing that the profitable nature of the lode at the 72 east during I last three months has resulted in the discovery of tin to the value nearly 1000%. Of this 250% worth has been realised, 100% worth now on the floors, and the remainder is exposed to view in and about 1000 min. It was distinctly pointed out that the richness of the ground in the 12 fm. level. Those who read the articles which appeared undersubly plan in the Journal some time since will be in part prepared for this result, there it was distinctly pointed out that the richness of the ground in this trick is so great that the profits, when made, appear almost fabulous. Of one these discoveries will involve the necessity of the company's perfecting all the dressing arrangements, and if the shareholders are guided by the very busine like recommendations of the committee, they will lay out a permanendiscipally and the shareholders are guided by the very busine paying mine; but if there is any successful attempt to force the returns, to detriment of future prospects, it will be cause for regret. We cannot he stating, with the Chairman's speech before up, that any such attempt, for purposes whatsoever, will be met by irresistible opposition. The immediation of the production of future prospects, it will be cause for regret. We cannot he stating, with the Chairman's speech before up, that any such attempt, for a purposes whatsoever, will be met by irresistible opposition. The immediation of future prospects, it will be cause for regret. We cannot he stating, with the Chairman's speech before up, that any such attempt, for a purposes whatsoever, will be met by irresistible opposition. The immediation of future prospects, it will be cause for regret. We cannot he company successful attempt to force the results shareholders who go in for dividenda and not for mar

of the meeting, taken down by our own shorthand writer, we reter our reasonanother column.

GREAT SNAEFELL.—At the annual general meeting of shat holders at Douglas on Wednesday (Mr. H. B. Noble in the chait the directors' and agents' reports were read, and the statement accounts submitted, showing a balance at banker's of 1771.9s.5 and a balance of assets over liabilities of 2751. 19s. 8d. Capt. Jo Kewley, in a letter written (Nov. 23) after the report had been forwardel, sty The lode in the 130 level north is larger since last reported; it is now bets 5 and 6 ft, wide, and the ore-bearing part about 2 ft, wide, and produces a litead and blende. We have a good foot wall, and hanging wall, and then the whole has a promising appearance. We have been drawing from the loan the floors the men have been crushing ore stuff this last two days. The long the state of the state of the state of the control of the floors the men have been crushing ore stuff this last two days. Chairman considered that a very favourable announcement. The working our mine hitherto have been most disheartening. Occasionally the mine had out great prospects, but no sooner do their hopes appear about to e result than they are blasted. In September last they had a discovery in the sole of 130 level, which they hoped would be most valuable. It was about that that Mr. Warington Smyth announced his intention of coming over to set mine, and to make his announced his intention of coming over to set that the chairman to see Mr. Smyth went underground the discovery had run of appointed, for when Mr. Smyth went underground the discovery had run of and not a particle of ore was to be seen. That is, unfortunately, the kind ground which the Great Snaefell possesses.

REGISTRATION OF PUBLIC COMPANIES.—Some misapprehensit

exists as to the liability of applicants for shares in a company tended to be registered but not yet so. Such applicants having a no authority, direct or implied, to pledge their credit, incur no billty whatever till the contract with them is complete—by the ent of shares, which cannot take place till after the registration of the company. If no allotment is made they are entitled to their discompany. the company. posit back in full.

TECHNICAL MUSEUMS AND LIBRARIES.—At the Manchest Scientific and Mechanical Society Mr. Alderman W. H. Bailey re a paper in which he said that municipal corporations in this count are the direct descendants of the ancient trade guids and peace of the said that we might acknowledge with gratitude what has been for what he was been for the properties. The catalogue of the said o done for us by enlightened municipalities. The catalogumining and manufacturing section of the Wigan Free Librareferred to as an illustration of what might be done at the Marketine As Free Library for the benefit of technical education. As to the museum, he suggested that the cases of stuffed birds should be placed by objects of interest to those engaged in the trade of district, and that each district should have a different style of museum of the library and spon. 10s. on application and 10s. on allotment.

No prospectus will be issued, and the only contract relating to the company is one dated Nov. 22, 1880, between Richard Rowe, of the first part, J. Y. Watson, Orlando Webb, James Macfarlane and C. B. Earry, of the second part, and William H. Howard Watson, of the Barry, as trustee for the company; and which contract may be third part, as trustee for the company; and which contract may be chance in the purchase of the adjoining property, replete with ma-

ov. 2 nce, if we wanner. The THI

It is seldon interprise who sarticular as it hill developme of all silver must refer our secompanied, of this valuab Colorado, and fabout five rathis is held fragger as the same of the s the mining State. To sed to drive orks smelting the Companich have no countain to the countain sually rich e silver to in vastly ex-ring certificates per tox lars of gol-eph Taylor ning Engin eful accura

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60,000*l*. in cessful floa position at will allow stances had holders will given to the able and e the enterp

EAST I more water bottom pa evident th purposes some of the surplus money of the 1851 Exhibition. He believed a museum and library for technical purposes would be beneficial, and that we must understand physical science, the science of three, if we wish to use the forces of this earth in a respectful manner. The paper was listened to throughout with marked attention, which it well merited.

### THE SILVER PEAK MINING COMPANY.

THE SILVER PEAK MINING COMPANY.

It is seldom that we have had to consider the prospectus of an eleptrise which appears to be so thoroughly satisfactory in every articular as that now before us. Its object is the acquirement and particular as that now before us. Its object is the acquirement and ild development of one of the richest and largest mines in the richest ild development of one of the richest and largest mines in the richest ild development of one of the prospectus and the reports by which it is secongasied, but as they are voluminous, we propose to give a resume' disability of the prospectus and the reports by which it is econgasied, but as they are voluminous, we propose to give a resume' disability of the property. The Silver Peak is situate in San Juan, object of the property. The Silver Peak is situate in San Juan, object of the property of the property of the property of the unit of the Sates of Colorado. They have also selected and of the State of Colorado. They have also sequent of the property underground, through which the tunnel will me, the mining rights to which are secured by the Location Laws of the State. To work this property to the greatest advantage, it is prosest to drive a tunnel through the mountain, and to erect at Animas freis smelting works of sufficient dimensions, not only for the ore of the Company, but for that of the adjacent mines, the owners of thich have now to convey the ore on the backs of mules over the summally rich, the Assay giving an average of 150 to 200 ounces of or summally rich, the Assay giving an average of 150 to 200 ounces of me silver to the ton of ore. In particular samples this average has less valid exceeded, the United States Government official assay bring certified that they contained silver to the extent of 30 to 1400 sunces per ton of ore, and one sample (in addition to silver) gave 14½ allars of gold per ton. The proporty has been inspected by Mr. Jesph Taylor (of the firm of Messrs. J. Taylor and Co., London Wall, Mining Engineers), whose repo eerymine in the neighbourhood will find it advantageous to send its
set to be smelted at the Company's works instead of as now carrying it
ga considerable cost and loss of time over the mountain. This of
iself would yield a large revenue. Then in the valley of the
"Poughkeepsie Gulch," there are numerous mines of great wealth,
the whole produce of which will pass through the tunnel on its completion, the tolls from the carriage of which will form a very large
siditional source of revenue. In the face of such a valuable project,
we are glad to see such excellent materials for its perfect and judicious
swelopment. We notice the directorate is strong, the chairman being
Mr. T. Eyre Foakes, whose successful management of the "Frontino
ad Bolivia" Company is well known, and two directors of the celestand that a large number of shares have been already applied for, and
those of our readers who desire an allotment should be on the alert.

The Brazilian Gold Mines.—Official advices announce that already gold has been found at each point reached in the Descoberto, the Matta Matta, and the Servicio Velho, indicating that as soon as the unworked veins are reached the most favourable anticipations will be realised. In the jacotinga section, of which the company own an entire mountain, gold has also been found, although the crashed workings were not then cleared, showing the jacotinga is auniferous. At this early stage of operations it would be imprudent, the manager says, to express sanguine views, in case undue expectations might be raised, but the directors say "that as at the date of these strices the old workings were not cleared, yet gold had been met. whices the old workings were not cleared, yet gold had been met with at every point, they felt the shareholders will join with them in regarding the information to hand as highly encouraging."

LAST CHANCE.—It is stated that the re-construction of this company is being steadily and quietly proceeded with, and that in a few days time the public announcement of the new company may be looked for. The amount required for working capital has, it is added, been fully subscribed.

SENTEIN SILVER-LEAD AND BLENDE MINE (Pyrenees).-This pisty eelebrated mine is now proving as rich, if not richer, than when is the height of its prosperity, before the outbreak of the Francodeman war in the year 1869, the whole staff, consisting of about 460 men, were compelled to join the army. The mine was then sending 300 tons of a very rich class of silver-lead monthly to market, when operations had to be suspended. After the war was over no altempt was made to resuscitate the concern until the formation of the present company, and although it has only been in their possession for considerably less than two years yet the results fully justify the expectation that there is a brilliant future in store for the fortunate blareholders. The present company declared a dividend of 10 per cholders. The present company declared a dividend of 10 per mareholders. The present company declared a dividend of 10 per sat. last January, and it is more than probable that another on a confiderably increased scale will be declared immediately. The returns of the last month consisted of 225 tons of a very superior class of silversad and 600 tons of blende notwithstanding the interruptions caused with great severity of the weather. As the company is divided into 10,000 shares of only 11, each, which is a ridiculously small sum for menterprise of such magnitude, it stands to reason that the future sympton shares of only 1*l*. each, which is a ridiculously small sum for menterprise of such magnitude, it stands to reason that the future dividends will be unexceptionally high. The mine contains enormoss reserves of ore laid open sufficient, as it were, to last a life time. The lode is of great strength and fertility, and abounds in subterraneous riches. It is a pity to see the shares in this company only quoted at 2*l*. to 2*l*. 10s., which would represent 100,000*l*. to 125,000*l*. for its entirety, whilst it has been valued by some of the most eminent mining experts at considerably over 300,000*l*. sining experts at considerably over 300,000l.

THE CLOGAU MINING COMPANY.—More than the capital asked for Journal having been subscribed the list will close to-day Letters of allotment and regret will be posted in a few days.

TANKERVILLE GREAT CONSOLS.—The allotment letters were 10sted on Wednesday, the number of shares applied for being nearly 3000 above the total to be allotted. It was in 1870 that Mr. Murchison introduced the Tankerville property to his friends, and having been the originator of the late company (which has since paid nearly 60,000, in dividends), it must be satisfactory to him to see the successful floating of the amalgamated company is due greatly to the Position attricts. costu floating of the amalgamated company is due greatly to the position attained by that property; while the capital now available will allow it to be more effectually worked than perhaps circumstances have hitherto permitted. We sincerely trust that the share-bolders will be amply rewarded for the warm support they have given to the undertaking. We are confident that under the really able and energetic management of Capt. A. Waters, the success of the enterprise will be as large as the united properties are capable of yielding.

East Devon Consols.—The adit end going west is emitting more water, which is highly mineralised. Some rich stuff in the bottom part of the level has been broken this week, and it is very trident they are now to be a some of the ore evident they are passing over a large course of ore. Some of the ore 83.333 of the Shares are reserved for payment to the Vendors, and 86,453 Shares have been privately subscribed, leaving a balance of 80,214 Shares to be applied for.

# Silver Peak Mining Company, Limited.

Incorporated under the Companies Acts, 1862, 1867, and 1877.

CAPITAL £250,000, IN 250,000 SHARES OF £1 EACH,

2s. per share to be paid on application, 2s. per share to be paid on allotment, and the balance in calls when required. Subscribers may pay up their shares in full on allotment, in which case they will be entitled to dividends on the amount so paid.

DIRECTORS.

DIRECTORS.

T. EYRE FOAKES, Esq., Chairman of the Frontino and Bolivia Gold Mining Company (Limited).—CHAIRMAN. The Hon. RANDOLPH STEWART, 85, Eaton Square, W., Directors of the Richmond Consolidated HERMAN SCHULTZ, Esq., 71, Great Tower Street, E.C., Mining Company (Limited.)

CHARLES H. WILKINSON, Esq. (Messrs. Wilkinson and Co.), Britannia Mills, Leeds.

RICHARD J. JENKINS, Esq., C.E. (Messrs. Newton, Jenkins, and Co.), King William Street, London, E.C.

\*JOSEPH TAYLOR, Esq. (Messrs. J. Taylor and Co., Mining Engineers and Inspectors.)

\* This gentleman has consented to join the Board as Managing Director upon the transfer of the property.

BOARD OF REFERENCE—NEW YORK.

E. W. ANDREWS, Esq., Director of The Exchange Telegraph Company (Limited), Cornhill, London, and President of The New York District Telegraph Company.

FRANKLIN J. PRATT, Esq., 57, Broadway, New York, and Greenfield, Massachusetts.

BANKERS—The LONDON AND COUNTY BANK (Limited), Lombard Street, E.C., and its Branches.

BANKERS—The LONDON AND COUNTY BANK (Limited), Lombard Street, E.C., and its Branches.

Solicitors—Messrs. WILD, BROWNE, and WILD, 10, Ironmonger Lane, E.C.

AUDITORS-Messrs. KENDRICK and WALTER, Chartered Accountants. BROKER-ALBERT RICARDO, Esq., 11, Angel Court, E.C., and London Stock Exchange. SECRETARY-M. PHILLIPS, Esq.

REGISTERED OFFICES,-8, TOKENHOUSE YARD, BANK, E.C.

### PROSPECTUS.

afforded for rapid and cheap transport will greatly increase the value of the property.

This mountain or peak, being part of the great silver producing range extending down to Mexico, has been proved to consist of immense quantities of most valuable argentiferous lodes, very rich in silver, bearing mineral which by independent public and private assay, has given an average of 150 to 200 oss. of pure silver to the ton of ore.

Samples of ore have been taken from the several different veins already cut in the tunnel, and a U.S. Government official assay certified that they contained silver to the extent of 50 to 1400 oss. per ton of ore, and one sample (in addition to silver) gave \$14.47 gold per ton.

The lodes, already located, and held free by the laws of the State, are—

The lodes, already located, and held free by the laws of the State, are—

1. The Elia Mehle lode.
2. The North Hampton lode.
3. The Charlemont lode.
4. The J. B. Norris, or Burrows No. 3, lode.
5. The San Francisco lode.
6. The Star of Empire lode.
7. The Olympia lode.
8. Manie Pratt lode.
9. The Broolyn and Brooklyn Extension lode.
10. F. J. P. lode.
11. The San Ginnis lode.
12. The Andrews lode.
13. The Milwaukee lode.
14. The Andrews lode.
15. The Macock lode.
17. The Andrews lode.
18. The Broolyn and Brooklyn Extension lode.
19. The Broolyn and Brooklyn Extension lode.
20. The Placer claim lode.
21. The Bonanza Tunnel Site Location.
22. The Journal Co., Loudon Wall, Mining Engineers), and pronounced by him to be one of the most valuable he ever saw, and that it is, in his opinion, capable of almost unlimited development.
The following is an extract from Mr. Taylor's letter accompanying his report to the directors:—
"Thaye recently been informed, on most reliable authority, that the J. R.

neo encor the most valuable he ever saw, and that it is, in his opinion, capable of almost unlimited development.

The following is an extract from Mr. Taylor's letter accompanying his report to the directors:—

"I have recently been informed, on most reliable authority, that the J. B. Norris lode has been cut rich, and contains very high grade ore, of which I observed every indication when there. I would strongly advise the vigorous prose cution of the tunnel, believing, as I do, that when this is complete you will a have one of the best and greatest mines in the Western States of America, and at a very moderate price, having regard to the enormous quantity of ore in sight, and the character of the lodes running through the entire property, and certainly one that can be worked much more economically than most mines, as the various lodes can be developed entirely without pumping and drawing machinery, thus avoiding a very serious item of expenditure."

Since Mr. Taylor inspected the mine, some most important and valuable additions have been made to the property, amongst which is the now celebrated vein known as the "Colorado Miner Lode." This gigantic mineral deposit is larger, richer, and of far greater value by itself than many entire mines, it being over 100 ft. wide on the outcrop, and is confidently believed to contain an almost incalculable amount of rich silver ore.

The enormous mineral wealth contained in this exceptional concentration of rich lodes will be developed (under the immediate superintendence of Mr. Taylor) by means of a tunnel which is being out directly through the mountain, at a surface depthylarying from 200 to over 1300 ft., and of a total length of about 7000 ft., and is located in the very heart of its mineral bearing centre, and will cut all lodes that appear upon the surface, besides all the "blind lodes," "branches," and "flyers" developed in the prosecution of the work.

The advantages obtained by the tunnel system over the ordinary method of shaft sinking and working are not only

This company is formed for the purpose of purchasing and developing a vast and exceedingly valuable freehold mineral property about five miles in lineal measurement on the course of the lodes, by 300 ft. wide on the average, held free from all royalty under the mining laws of the United States Government, and of the State of Colorado, besides all the acquired property underground not held on the surface, through which the tunnel will run, the mining rights to which are secured by the Location Laws of the State.

The property comprises the freehold ownership of a large number of well defined silver lodes and branches, contained in one of the richest mineral mounts, to discovered, and situate close to Animas Forks, in San Juan county, Colorado. A telegraph has already been established to the property, and rail communication will be obtained by the new branch of the Denver and Rio Grande Railroad, now being built from Alamsos to Silverion (distant 16 miles from the mine), which is expected to be completed shortly, the facilities thus afforded for rapid and cheap transport will greatly increase the value of the property.

The tunnel has already been divided on the verage, held does of ore, which are now available for working. The tunnel has already been estable states in linear the substitution to the various days suggested by the aid of additional capital, to work the Yangton and J. B. Norris lodes (by the evel and their sole attention, but it is now intended (as suggested by Mr. Taylor) by the aid of additional capital, to work the Yangton and J. B. Norris lodes (by the evel and their sole attention, but it is now intended (as suggested by Mr. Taylor) by the aid of additional capital, to work the Yangton and J. B. Norris lodes (by the aid of additional capital, to work the Yangton and J. B. Norris lodes (by the aid of additional capital, to work the Yangton and J. B. Norris lodes (by the aid of additional capital, to work the Yangton and J. B. Norris lodes (by the aid of additional capital, to work the Yangton an

the Poughkeepsie gulch, as also advised by Mr. Taylor in his report.

The directors confidently anticipate that the shareholders will have an interest in one of the largest and best paying enterprises of modern times, and one which promises to yield unusually large dividends.

Attention is called to the Richmond Consolidated Mining Company, which since it was taken up and managed by an English board of directors has paid its capital back to the shareholders twice over; the £5 shares are now selling at £15 10s. to £16, and dividends are being paid at the rate of 10s. per quarter, along with a bonus dividend at the end of the financial year (last year the net earnings were equal to 50 per cent. per annum on the capital), and it may fairly be assumed that the dividends earned by this company should be equal to those paid by the Richmond.

Near the mouth of the tunnel is the Placer, chain, of 20 acres, with all mills.

paid by the Richmond.

Near the mouth of the tunnel is the Placer claim of 20 acres, with all mill rights and water power secured, the upper portion of which forms a natural A, with high mountain boundaries on each side, through which runs a rapid stream. This will be utilised by creeting a dam across the base of the triangle, at the point marked B B on the plan, and thus create an immense reservoir, which will contain many millions of gallons of water, and by this means an unlimited supply of water power for washing and dressing ores will be secured at the smallest possible cost.

In order to secure the largest amount of const.

In order to secure the largest amount of profit, the company intend to erect their own reduction and smelting works on the Placer claim at the mouth of the tunnel: but while this is being done a ready market for all the ore produced will be found at the various reduction works in the immediate vicinity of the mine.

tunnel: but while this is being done a ready market for all the ore produced will be found at the various reduction works in the immediate vicinity of the mine. The fact that coal of the best quality and in inexhaustible quantity exists in the vicinity of the mine will give the company the means of smelting at the lowest possible cost.

The mountain is bounded on the south-west by a ranch or valley called the Poughkeepsie Gulch in which are situate numerous silver mines of great wealth, many of which are in full work.

It is intended to make the reduction and smelting works sufficiently large and powerful, not only to do all the company's work, but to absorb all such prolitable work from every mine in the immediate neighbourhood, more especially the rich ores from the mines in the Poughkeepsie Gulch, the whole of which will be trammed through the tunnel as soon as it is open.

The ore extracted from the whole of the mines in the Poughkeepsie Gulch has at present to be carried over the mountain to the nearest smelting works on mule's back, and great interest is now taken in the development of one tunnel, which will afford a ready means of train carriage to the eastern side, and a very large revenue will accrue to this company from toils levied on all ore passing through it.

One of the smelting works in the neighbourhood belonging to Mr. Senator Hill turns out \$250,000 worth of bullion per month.

The company is entitled to a toil or royalty for drainage from all other mines worked overhead; and a further profit will be realised from a toil levied on all ore extracted from mines belonging to other proprietors in the immediate vicinity, which, with the permission of the directors, may be worked from levels driven right and left of the tunnel.

The requirement of the Stock Exchange that two-thirds of the capital of a company quoted in their Official List must be allotted to the public, precludes the vendors accepting more than one-third of the total capital of the company in shares in part payment of the purchase

In shares in part payment of the purchase money, otherwise they would have taken the whole of it in shares, but they and their friends have already applied for a large amount.

Attention is called to the fact that the entire management of the company will be under the control of the board of directors in London.

Mr. Taylor is so impressed with the value of the property that notwithstanding his numerous engagements in this country he has consented to go to Colorado for a sufficient time to initiate the new management, and fix the sites for the water dam, the reduction and smelting works, and report to the board as to commencing levels and stopes on the lode already cut.

The vendors will pay all costs of agency and brokerage, and the further expenses, including all legal, advertising, printing, and other charges incidental to the formation of the company up to the allotment of shares.

The Contract of Sale, with inventory of plant, machinery, &c., and a copy of the Memorandum and Articles of Association, are open for inspection at the offices of the solicitors of the company, and all further information may be obtained from the secretary. Prospectuses and Forms of Application can be had at the Registered Offices of the Company, 3, Tokenhouse Yard, and from the London and County Bank and its several branches. Application may be made by letter addressed to the secretary, stating the number of shares required, accompanied by a remittance of 2s, per share as deposit on application.

has been recently assayed, which gives 133 per cent. for copper, and also a good percentage of silver. All practical men who have inspected the mine agree with the agent in speaking of the mine with the fullest confidence.

DEVON FRIENDSHIP .-- A correspondent points out that the magnificent water power at these mines will enable them to be drained and carried ou very cheaply.

### AUSTRALIAN MINES.

ENGLISH-AUSTRALIAN GOLD.—The directors have received advices from their agent at Fryerstown, who states that the new drawing engine is now at work, and that crushing has been recommenced. In the eight days before the departure of the mail 330 tons of stone had been passed through the mill, but the gold produce was not stated, as the clear up would not be made till the end of the month.

departure of the mail 330 tons of stone had been passed through the and, we the gold produce was not stated, as the clear up would not be made till the end of the month.

YORKE PENINSULA.—The directors have advices from the committee of inspection at Adelaide, with reports from the Kurilla Mine to Oct. 5. The following are extracts from Thomas and John Anthony's report.—Kurilla Mine: At the 67, east of Hall's engine-shaft, about 7 fms. are driven on the lode; about 5 fms. from the shaft a pocket of rich ore was found, producing about 3 tons, but the drive is now poor. At the 55 and 18 fms. east from the shaft some or was driven through, but what has occurred at the 67 is not far enough east, nor is the ore of the same class as that, but identical with what we do not expect to find nearer than 35 fms. further east. It will not be a matter of surprise if from the same class as that, but identical with what we do not expect to find nearer than 35 fms. further east. It will not be a matter of surprise if from the 67 downwards the lode will make ore at and about the said shaft. At the 45 east the south part of the lode is now 6 in. wide of average ore, but we consider the prospect very fair, having ore further east at the upper levels. At the 15 east the lode has a good north wall, and all the surroundings favour ore, but there is not sufficient to pay. . . . The stope in the 55 east is yielding an average of the lode is now 6 in. wide of average ore, but we consider the prospect very fair, having ore further east at the upper levels. At the 15 east the lode, in the 45, at 9s. 6d. in 11. It is intended shortly to put down a winze from the 55 to the 67 in the ore, 18 fashoms from the shaft, after which the sinking of Hall's shaft should be resumed.—Morphett's Lode: We only be a shaft should be resumed.—Morphett's Lode: We only be a shaft of the lode is a shaft should be resumed.—Morphett's Lode: We only be a shaft of the lode is a shaft of the lode is disordered by the elvas a transmit of the lode, in the 67 in the o

rock; the extension of these eastern levels through poor ground is a heavy tax, but the lode in section 398 yielded a large quantity of ore further east, and it would appear that the only proper way is to push ahead until the hard bar is got through. In the 10 some good ore has been driven through, but we are not certain the south wall of the lode is reached, and are driving south with the double object of testing the width of the lode and holing to a hauling shaft put down by the late Devon Consols Company; 24 men are stoping this lode from the 43 upwards, and are raising therefrom the bulk of the ore being shipped to England. We may add that this lode has opened out most satisfactority, and is richer at the 55 than at any shallower point. In the north branch, or new lode, north of Morphett's lode, the only exploratory work being done on the lode is the driving at the 10 east, in section 338, by two men. Six men are engaged on tribute, and stoping between the 43 and 10 on this lode. About 9 ft. more have been driven west at the 5, on the New Devon lode, and the lode which is on the new property, and about 15 fms. south of Kurilla lode, is even still more promising than when we reported on it in August last. As soon as an air shaft is put down on the drive a tribute pitch may be set, which will pay for all the labour bestowed on it up to this time, and the ground now being driven through is also payable.—Ore Returns: 208 tons had been dispatched from the mine for shipment to England, and there remained on hand at the nine on Oct. 4 554 tons of 15% per cent., and 4450 tons of low-class ores of nearly 5 per cent.

### Mining Correspondence.

### BRITISH MINES.

ABERLLYN.—J. Roberts, Nov. 24: The valley cross-cut is still in the same kind of rock that it has been for some time past, with the same kind of heading joints covered with blende. No. 3 cross-cut is still in the same kind of hard dark stone. There is I fathom more to drive to get to the perpendicular of the hanging side at No. 2; and with a little heave by the slide, and the lode being a little more perpendicular than at No. 2, we should scarely have cut it yet; however, I purpose to put those men to sink a winse from No. 2 down to the slide, about 3 fathoms, to prove the lode to that depth, as well as to see what influence the slide will have upon it. No. 2 end has a very showy, gossany lode in it, but at present there are only occasional stones of lead and blende, but I expect that it will improve shortly as we get nearer to the course of blende in the shaft behind the cottage.

slide will have upon it. No. 2 end has a very showy, gossany lode in it, but at present there are only occasional stones of lead and blende, but I expect that it will improve shortly as we get nearer to the course of blende in the shaft behind the cottage.

ARENDAL.—J. Daw, J. Daw, jun., Nov. 17: Yesterday we were underground with Capt. Thomas, who was here inspecting. The mines, we are pleased to inform you, are looking very well.—Skytnyr Mine: In the 60 cast the lode is 3½ ft. wide, worth 4 tons of copper ore per fathom. The winze sinking in the bottom will yield 2 tons per fathom. In the 60 west the lode is 3½ ft. wide, composed of quartz and mundic, and will yield 1 ton of copper ore per fathom—a kindly lode, but not rich. At Benson's shaft the lode is large, but not rich, yielding good stones of ore. We think we are just now taking the run of ore ground coming down to the west of the shaft. In the 50 cast the lode is 2½ ft. wide, and will yield 2½ tons of copper ore per fathom—a very kindly end. We have three winzes sinking in the bottom of this level, yielding fogether fully 5 tons to the fathom. The rise in the back of this level is worth full 2 tons of per fathom. The winze in the bottom of the 25 is worth full 2 tons per fathom. The stopes are yielding very satisfactorily.—Bulstad Mine: The shafts and bottom levels are clear of stuff, and we are now busily engaged in clearing the 30 and 20. We have resumed the driving of the 40, cast and west, and rising and stoping in the 40 east. The sinking of the shaft will be proceeded with as early as possible. The lode in the shaft is over 5 ft. wide, composed of quarts, mundic, and copper ore, worth for the latter 3 tons per fathom. In the 40 east the part carried of the lode is about 6 ft. wide, the composition being the same as in the shaft, and will yield over 2 tons of ore per fathom. The rise and stope in back of the lode is over 5 ft. wide, and will yield 4 tons per fathom. The eoper ore in the shove-mentioned bargains is much better than the average of t

pipes put in from the shaft to the cross-cut In question, and effective ventilation secured.

BEDFORD UNITED.—Thomas Horswill, Nov. 24: There is no alteration in any part of the mine since last report. We are making good progress with the rods, &c., for working the Bridge lode, and if the weather is favourable we hope to commence pumping on Saturday next. A full report will be sent for the general meeting, to be held on Dec. 2.

BELOWDA.—J. H. Collins, Nov. 23: All is going on well, although not so rapidly as I could wish, or as would be the case if I could get a few more good mem. We stamped 77 tons of stuff with our 24 heads of stamps last week in four days' working, or an average of over 19 tons per day, but I expect to exceed that average this week. We had to stop two days on account of the repairs. On the dressing-floors we have now three round buddles at work, and the finishing buddle is now ready. As soon as the new stamp lifters arrive (which were ordered last week) we shall work the whole battery of 48 heads of stamps. Mean-while our underground operations are not neglected. We are preparing to raise the necessary quantity of tinstuff to keep all the stamps going, and shall be easily able to do it from our Beacon Burrow lode before reported on. Other satisfactory points are being also opened up in the mine, of which I shall be able to report later.

white our underground operations are not neglected. We are preparing to raise the necessary quantity of tinstuff to keep all the stamps going, and shall be easily able to do it from our Beacon Burrow lode before reported on. Other satisfactory points are being also opened up in the mine, of which I shall be able to report later.

BLAEN CAELAN UNITED.—J. Pell, Nov. 25: I am unable to advise you of any alteration. The stope in back of the 30 is looking better, but the 20 stope west of engine-shaft is very full of mundic. The frost was o severe that from Saturday last no dressing would be carried on, but it is now wet. I have suspended the driving on lode towards Esgair-hir, south of Caelan brook.

BULE HILLS.—S. Bennetts, R. Harris, Nov. 20: The 80 ends, both east and wast, are producing tinstuff of low quality. The 42 east end, on the north lode, it was the state of the state o

the top of the shaft, and are now making ready the purey state. It is not flat rois to that shaft.

COURT GRANGE—Jas. G. Green, Nov. 24: The mine is in fork to the 65, and we shall soon have the shaft clear and driving in the cross-cut resumed. The rise in the 45 is worth 12 cwts, per fathom, but the ground is exceedingly hard. The 30 will be cleared of stuff this week ready for rock drills, and we have put in a stull along the back, so that stoping can be carried on at th ame time as driving. The underhand stope in the 14, and also the stope in back of the 14, east of footway, have both improved during the week. There is no other change to notice. All the machinery is in good order, and every effort is being nade to repair dature.

All the machinery is in good order, and every effort is being nade to repair damage on by the recent flood; we have at this date 20 tons of ore in store. CLEMENTINA.—J. Roberts, W. Sandoe, Nov. 24: In the end, driving north at the 34, there is a little lead on the footwall, and altogether a kindly lode, which must shortly improve, as the lead in the north stope is dipping in that direction. The stopes are not looking quite so good as they were, but you are quite aware that this is the nature of the lode to be sometimes pinched up rather small, and at other times to open out wider and richer.

CWMYSTWITH.—Nov. 24: In the 15, to drive east of Pugh's cross-cut, on this new lode, by rock drill, the ground is favourable for driving, and the lode is getting more defined. From the appearance of the ground we may expect to

of lead in it—a very kindly lode. There is a very nice branch of ore with tributed in the bottom of the shallow adds. W. Sandoe, Nov. 24: No. 6 cross-cut, at through the lode, is progressing favourably. There are good patches of lead in the lode, but have not yet reached the other facher part. If it is in the level as in it was to be the part of the lead of the le

tion of the lode, which has lately been unproductive; we must, however, shortly explore the east portion, which will probably be found productive, but it was still a few fathoms further on in the level above, where the two portions came together that the lode became rich. In the 200 end the lode has been very changeable for the last 2 or 3 fathoms, the average value being about 15£, per fathom, which the end is also worth at present. The winze in this level is worth 49£, per fathom, but is now being holed to the rise below. When this is effected the men will be put to shok another winze underneath to go down upon the 230. This winze will also start in a very good lode, and, no doubt, open up another section of very valuable ground. The recent improved appearance in the 140 end does not continue, the lode becoming more disturbed and broken again, with a branch probably thrown into the east side. In the 110 a winze has been commenced in the north run or ore, where the lode is worth 40£, per fathom. There is no change to notice at any other point throughout the mine. The additional rock-drills have made a fair start, and it will only require a little time to enable the men to whom it is new to gain some experience, and they will make raule strides.

Small, and at other times to open out wider and richer.

OWNYSWITH.—Nov. 24: In the 15, to drive east of Pugh's cross-cut, on the new tode, by rock drill, the ground is favourable for driving, and the tode is getting more defined. From the appearance of the ground we may expect to cut into the ore ground shortly. The 8, west of Elward's winze, on the new lode, is suspenied, and the men put to drive the same level east. In the 8, east of Edward's winze, on the new lode, is suspenied, and the men put to drive the same level east. In the 8, east of Edward's winze, on the new lode, the lode is 2ft. wide, and worth 16 certs of lead ore per fathom. Four pitches will yield 13 certs, of lead ore per fathom. Four pitches will yield 13 certs, of lead ore per fathom.

DENBIGHHIRE CONSOLIDATED.—A. Francis, R. Prince, Nov. 25: We have taken the men from No. 1 rise, in the 112 cast main lode, and set them to drive sust on the same lode, at a point nearer the engine-shaft, as by doing so we shall be working this part of the mine to greater advantage, and more economically. The run of ore upon which they have worked we have set to tributers at 120s, per ton for clean lead. No. 2 rise continues to look very well, and is worth 2 tons of lead per fan. The sump below the 66, which in future will be designated the 73 yard level, is now in the productive ground that was worked in the level above, and we expect daily to report having got into a good looky of ore they are yielding 1 tons of ore per fathom. These two ends are all the productive ground that was worked in the level above, and we expect daily to report having got into a good look of ore per fathom. The end going north yellow the productive ground that was worked in the level above, and we respect daily to report having got into a good look of ore per fathom. These two ends are the level above, and we spect a ground that was worked in the level above, and we spect a ground that was worked in the lode is pinched up a mail and poor, but a little lead is coming in again in th

son's continues poor; the vein still in two parts. We are working on the vestern one at present, and it is yielding about 10 cwts, of ore per fathom. Stope No. 5, above the 30, is yielding 2 tons of ore per fathom. The vein at the random of this stope is heading very much to the east, so much that I hardly think we have all the vein with us at present. Driving south from Yipond sump, at the random of No. 4 stope, is yielding 2½ tons of ore per fathom, and proving the vein to be good in the hazels above the 30. We have done all we could at the dressing this week, but the snow and frost has been altogether against un it is stopped this morning.

GUNNISLAKE (Clitters).—W. Skewis, J. Seccombe, Nov. 28: The sinking of the engine.shaft is being proceeded with a fast as possible. The lode in the 24 west is worth 7L per fathom, but in the eastern end the lode is poor. The rise in the back of this level is communicated with the 212, which has given good ventilation to the 224. The lode in the 20 cast is worth 6L per in the lode is small and poor, and we have put the men to drive south to see if anymore lode is standing in that direction. The lode in the 20 cast is worth 6L per in, and the western end is producing saving work for copper ore. In the 18£ sast the lode is poor. There is nothing new in the 183 cross-cut south since the meeting. The lode in the 176 cast is worth 7L per fathom. In the 184 cast has improved, now worth 10L per fathom, and looking very promising for further improvement. The ground in the 182 cross-cut is now easier for driving the rimprovement. The ground in the 182 cross-cut is now easier for driving the stope sand pitches throughout the mine continue to produce about their usual quantity of copper ore.

ther improvement. The ground in the 162 cross-out is now easier for driving the stopes and pitches throughout the mine continue to produce about in usual quantity of copper ore.

GWERN-Y-MYNYDD.—A. Francis, Nov. 25: Deborah: South Crossmen: have been driving both west and south in main flat in search of a firm in stone flooring, and during the last two or three days east also; but we have; the most of cross, where the indications are more enticing. Notwithstating these results, the ground driven through is precisely that found in vicinity of large ore deposits, the existence of which in this ore channel can now be questioned. We think it, for many reasons, wise to obtain a firm lin stone flooring before the cross-cut south towards the Deborah lode be resumed none being that we now seem to be in one of the main ore runs found in enection with main lodes, another being that you may miss ore deposits africance of the main ore runs found in enection with main lodes, another being that you may miss ore deposits a fac-simile of what I have seen myself at Fawnog in close proximity to 9 thick of solid ore, from which was raised 400 tons monthly. The north cent when the simile of what have beautiful ground, and the indications are strong our approach to the Hafod ore run. The delays are most trying to the patient you need have no misgivings as to our trials ending in success with reasonable period. The weather has been miserable during the last week. The addit even the engine and pitwork will be completed early next week. The addit level is again entered hard ground, and the indications are strong our approach to the Hafod ore run. The delays are most trying to the patient was a second to the patient of the pat

good stones of tin. There is no change in the 40 or 30, driving cast of old supshaft, since the last report.

LEAD ERA.—J. A. Ede, Nov. 25: In my recent information I noticed that the cross-cut we are driving from Willow shaft was exhibiting a progressive change, and that we might any day anticipate intersecting the lode, and being convinced of this I increased the number of men at this point, and yesterday cut into what I have reason to believe is the Willow lode. As yet we have entered into it about 2 ft., but at a short distance to the west it is from 9 to 12 it, wide. We cannot expect to reach the footwall for some time. The character of the ground, &c., is analagous with the other lodes of the same series termed Champion lodes.

convinced of this 1 increased the number on the willow lode. As yet we have entered into it shout 2 ft., but at a short distance to the west it is from 3 to 12 ft. where the convention of the

improvement, the lode, which is now 1½ ft. wide, yielding ½ ton of ore pIn the 20 west the lode is 1 ft. wide, quarts, with good spots of ore and note the content of the c

ylelding I ton of ore per lation. There is no change as any last report.

MOLESWORTH UNITED.—J. Richards, Nov. 23: There is no change to report in driving the adit level east on Mitchell's lode since Capt. Harris's inspection in the 25th uit., when it was estimated to yield 100 per cent. profit on the working. We have not yet commenced driving north to intersect Kendul's lode, being We have not yet commenced driving north to intersect Kendul's lode, being richness of the branch, however, gone off in that direction there is every reason to expect a rich lode when intersected, and this can soon be accomplished after the cross-cutting is commenced.

MONA.—W. Hughes, Nov. 24: Our mine now presents an appearance at the

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tom level which promises to make it of greater value than the most santom level which promises to make it of greater value than the most santom could have anticipated a few months ago. The 70, going east, is in solid
for nearly the whole surface of the forebreast, and has now been so for
or level very driven in Mona Mine has looked so rich as the one
gal days. No level ever driven in Mona Mine has looked so rich as the one
gal days. No level ever driven in the pitches also look well throughtom now driving at this point. The tribute pitches also look well throughtom now the property of the sense of the 50 is opening out
the and will turn out a much larger quantity of ore per month than I calsel and of the same level, there is a solid bed of ore, which appears daily to
gase in thickness. At this point it contains a high percentage of sulphur;
the ore crustin is nuch solid masses that we may almost with certainty rely
the ore crustins from this part of the mine; and as it is in a channel of
and ests of the Carregydoll cross-course, it cannot but be regarded as a feased great promise as regards the ground lying to the east, which has as yet
been explored by operations which may comparatively be termed mere sursentchings.

nexplored by operations which may comparatively be termed mere surtichings.

William Hughes, Nov. 25: I have only to confirm the report made

William Hughes, Nov. 25: I have only to confirm the report made

you the board as regards the condition of the mine. The 70 is still in

and judging by appearances it will so continue for a considerable disfiber tribute pitches look exceedingly well; in fact, much better than

ported on in my last setting report. All surface and smelting opera
tinue without interruption. We are preparing to creet a fourth furnace

propose of smelting the increased quantity of ore we confidently anti
sing in a short time.

A DU.—T. Mitchell, Nov. 25: There is no material change in any of

its of operation here during the past week. Everything going on in

regular order. Saturday next will be setting day.

T. CARBIS.—George Johns, Nov. 25: The lode in the 27 east is worth

fathom; the weather has prevented much progress being made in

superations. As soon as it is fairly settled we shall proceed more rapidly

undation for engine-house. The adit has been started from the valley in

error art of the sett deep enough to take off all surface water. We shall

to from this point on the course of the great flat lode until we reach the

flow this point on the course of the great flat lode until we reach the

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of this, as depth is attained going to full towards the shall we meet with improvement, as the meet with improvement, as the state of t

sampled 15 tons of ore, for sale on the 30th inst. All the maje well.

—Wm. Michell, Nov. 22: The ground in the level east, on the lifavourable for driving. When last reported on the lode was by cross joints, but now more settled, and gettingharder, which adication. This level must be pushed ahead as fast as possible; deonfident that rich bunches of ore will be found.

—Win. Vivian, Nov. 24: We are making good progress with hall have machinery at work in about March next. The engine and that with the other appliances, which cost the company realise 500t, in consequence of the increased demand for material deal more of this property than ever I did before. It is Vheal Kitty lode is known to be in sight in the shaft, and that is out good returns will be at once made. If this be so it is a reported; but I have reason to hope that the report is true, I need not point out to you that the property is of so much han it has ever been reported to be, excellent as the reports

John Curtis, Nov. 24: I have nothing fresh to report since mine on Saturday last.

ARADON.—N. Richards, Nov. 24: There is nothing calling for either of the points of operation since my last. I will send

of the points of operation since my last. I will send t week's report.

DUNTAIN.—R. H. Vivian, Nov. 25: No. 2 adit: The this level, it is quite 5 ft. wide, all well mixed with, and lead ore; of the latter about 6 to 7 cwts. per fm. r improvement are of the most favourable character.—hall soon get through the soft ground in this level, and to drive before we reach the good lead gone down in the soft and the soft ground in the send and the send are send that the soft ground in the send are send that the send that

edit.

Rowe, Nov. 24: The cross-cut is now in about 12 fms., rything, a little easier. You are aware that the distance eted to be about 30 fms. altogether. The tributers in the are breaking some good lead-stuff, and I expect making

onkin, Nov. 25: Settling Report: 42 Fm. Level: The run of 1 to 9, has been set to 10 men for three months, at 54. per e stopes are fully 12 ft. wide, and the yield of ore for that e fathom. The drive in 4 fm. lime, 12 west section, is set fathom. The cross-out in west section, near Low shaft, 54. per fathom; the ground is remarkably hard for this 1 fm., as we are now close to the lode, and will soon be e stopes in east section, 1 to 9, are set for three months, per ton of dressed ore; the ground is easy, and the yield i. I have also set 5 fm.s. to rise at the 10 east section at 42 extension cast section is set to four men, at 45s, per in east section is set tin 4 fm. lime at 30s, per fathom, to the yield of ore is 5 cwts. to the fathom.—35 Fm. Level: in west section as vertical gas some stones of ore, and is set fathom—15 Fm. Level: The stopes in east section are set our men, at 54. 10s, per ton of dressed ore; the ground is ore 10 cwts. to the fathom. I have also set a rise at 30s, per section. The cross-cut in east section is considered in east of the ground is ore 10 cwts. to the fathom. I have also set a rise at 30s, per section. The cross-cut in east section is changed to soft fore. I have set 4 fms., to two men, at 15s, per fathom. dill level are set to eight men for three months, at 64, per have also set a drive east and west at the bottom of the t40s, per fathom. The past week has been very severe at the weather now seems changed.

E (Clitters).—W. Skewis, A. Secombe, Nov. 25: The machinery recently purchased from the Atler ow all delivered on the mine. Ground is being taken out in building lading for the fixing of the engine and other. Tenders are invited for the supplying of new air com-. Tonkin, Nov. 25: Setting Report: 42 Fm. Level: The run of

ders are invited for the supplying of new air com-am, Nov. 25: The end in the new lode, in the 45, t, is worth ½ ton per fathom. There is no change it. The north end is suspended. We are stripping left in driving, which is worth 35 cwts, of lead per will be continued as soon as we have finished in the 23, going north from shaft, is looking very mes of lead and blende. The end we have been all part of lode, is suspended, and the men brought old on feotwall side, to ascertain on which side it linue main level south. The three stopes working average, 15 cwts, of lead and 1 ton of blende per didard's lode, driving east, in south level has not

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primation. Better progress will now result, and the lode intersected before long, then we shall be enabled to greatly increase our underground operations in this irection. All those who are acquainted with the mine, and the position of the does in the southern ground, have great expectations with regard to the yield fore as soon as the above points are in working order.—Surface: Nothing could be better than the way in which our machinery is working, and the surface arangements are complete.

POLROSE.—W. Bennetts, C. Roach, Nov. 24: We have not yet cut the lode a the 99 cross-put north, but we are still meeting with spots of mendic, showing that the ground is mineralised, which is a favourable indication. The men age that the ground is mineralised, which is a favourable indication. The men re making good progress with the 90 cross-cut south. There is no change to olde here beyond that we have passed through another branch, composed of ookan and mundic. The Margaret lode in the 90 west is opening out arger, and yielding a little tin, but it is not quite so productive as when last ported.

and the 30 cross-put north, but we are still meeting with apolts of mentic, showare making good progress with the 30 cite. There is no change to
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mence driving the 80 next week.

PRINCE OF WALES—3. Andrews, Nov. 23: The dividing and casing of the
shalt is now completed to the bottom of the mine; also the ladder road in the
shalt is now completed to the bottom of the mine; also the ladder road in the
shalt is now completed to the bottom of the mine; also the ladder road in the
shalt is now completed to the bottom of the mine; also the ladder road in the
shalt is now completed to the bottom of the state of the state
dilt on Goodluck fole since last reported the driving of the 90 west. There is no
fenale in the deep adit cross-cut north, nor in the stopes in back of the deep
adit on Goodluck fole since last reported the driving of the same level, going south
of shalt, is 4½ ft, wide, yielding good stones of lead ore. In stoping the bottom
of the 10 north, towards the flat-road shalt, we find the lode to be worth 1 ton
of the 10 north, towards the flat-road shalt, we find the lode to be worth 1 ton
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teseribed in the last view of explosives materially decreased. In the shalt 3 ft, were sunduring the week; the influx of water increases, but is entirely and easily kept under command by the pump.

TREVINCE CONSOLS.—John Mayne, Sept. 25: Lam pleased to remark that he lode at the new shaft has much improved; it produces fully 5 tons of copper ore per fathom. Other places without alteration.

VAN CONSOLS AND GLYN.—James Roach, Nov. 24: Since the date of my last report we have suspended the cross-cut south in the lode at the 60, in order to start a rise above it; this done we shall resume cross-cutting to the south wall of the lode directly. The rise above this level, on the north part of the lode, is 5 ft, high, yielding fully 10 cwts, of lead per fathom; we anticipate opening out a valuable section of ground here. This level has been driven west of Murray's that on the morth part of the lode 25 fms.; the forebreast, although not rich, is dual to the morth part of the lode 25 fms.; the forebreast, although not rich, is when we reasonably expect to find lead in remunerative quantities. The 40, driving west of Murray's, is improving, to-day producing 10 to 12 cwts. of ore per fathom. The western shaft has been completely timbered from the surface to the adit, wheel adjusted, hambers fixed, &c.; therefore, draining of this section of the company's property will soon be resorted to. In No. 1 stope in the roof of the 50, west of Murray's, the lode is 15 ft. wide; in this there is lead in patches and strings disseminated throughout, that width yielding similar quantities of lead to those for some time past. No. 2 stope is 21 ft. wide, producing ore in stones and branches throughout, that width yielding similar quantities of lead to those for some time past. No. 3 and 4 stopes the lode is carried about 5 ft., consisting of decomposed grit, lead ore, and carbonate of lime, which

In the 95 level east the lode is 4 ft. wide, and I have had some of the stones of ore assayed with a satisfactory result, showing over 80 per cent. for lead, and 9 ozs. of fine silver to the ton. The forebreast to-day looks most promising, and I expect further improvements. In the 80 level east we have obtained during the last fortnight a good quantity of lead. In the 80 level west the lode is worth 25 cwt. of lead to the fathom, and shows signs of increasing productiveness.—Ram Shaft: The cross-cut has started, and we hope now to make good progress. We are very busy on the dressing floors, and shall sell a parcel of lead this week.

WEST LISEUNE.—N. Bay, Nov. 22: The men have been employed in clearing the adil; and have lowered the water to that level, and are quarrying stones
for the engine bed, look-stand, and other requisite buildings. Timber has been
to the engine bed, look-stand, and other requisite buildings. Timber has been
to the desire of the men of the control of the old well, but the cresout at the 67 we have passed through one portion of the old well, but the crestot at the 67 we have passed through one portion of the old well, but the cretother was also and the control of the control of the control
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ovement. WHEAL PEEVOR.—W. V. White, T. C. King. Nov. 25: On Saturday last we

See Scale continues much the course of the work of the

WHEAL UNY.—H. Eddy, M. Rogers, jun., Nov, 25: The lode in the 172 end west is worth 10l, per fathom. The lode in the 160 cross-out east is 10 ft. wide worth 10l, per fathom. A stope in the back of this level is worth 8l, per fathom. Three stopes in the back of the 150 east are worth on an average 11l, per fathom. A stope in the back of the 150 west is worth 12l, per fathom. The stope in the back of the 140, east of King's, is worth 13l, per fathom. The 140 end, east of sump, on the north part fo the lode, is worth 15l, per fathom. The 140 end, east of the 120, east of King's, is worth 13l, per fathom. The 140 end, east of the 120, east of King's, is worth 3l per fathom. The lode in the 100 end, east of King's, is worth 3l per fathom.

YORK AND LANCASTER UNITED—J. Borlase, Nov. 24: Skelhorn Mine: We have just completed fixing our new 9-in. lift, which I am glad to say is working first-class. The shaft is now about 8 fms below the adit level sinking on the Barn lode, the width of which I cannot say, as we are only carrying the barytes part, which is 2½ ft wide, of good quality. By the side of the barytes we have a spar, almost fluor-spar, about 1 ft. wide, presenting a very kindly appearance, and it being so intermixed with lead it produces saving work. As we are now fairly masters of the water we hope soon to be at the 10, when we shall cut plat and cross-cut the lode to ascertain its exact width; when last cut through at the adit it was 30 ft. wide, composed of barytes, spar, and calamine, with good stones of lead. The barytes stope in the back of the adit level shows a face of 8 to 10 ft. wide, of barytes of good quality, and from which we can at any time pay the working expenses of the mines. Our main object at present is depth, for in sinking our shaft we shall drain the old winzes sunk by the old men on the east and west lode, which crosses the Barn lode about 28 fathoms north of our engine-shaft. No. 1 is 5 fms. deep, and No. 2 is 15 fms. below the adit, in the bottom of which we are informed there is a br

### TO THE METAL TRADE.

FOR COPPER, TIN, LEAD, &c., apply to-MESSES. PELLY, BOYLE, AND CO., SWORN METAL BROKERS, ALLHALLOWS CHAMBERS, LOMBARD STREET, LONDON.

#### HNG. EAS NEWCASTLE-ON-TYNE. JOHN EAST,

BROKER FOR THE SALE OF PIG-LEAD, LEAD ORES, COPPER ORE, COBALT, MANGANESE, CARBONATE OF BARYTES. ESTABLISHED 1866.

### The Mining Market: Brices of Metals, Ores, &c.

METAL MARKET-LONDON, Nov. 26, 1880.

					_
IRON. & s.d. & s.	d	TIN.			
Pig. GMB, f.o.b., Clyde . 2 12 3- 2 1	2 4 Er	glish, ingot, f.o.b	95 0 0-	96 0	0
, Scotch, all No. 1 2 14 0	- 1	,, bars ,,	. 96 0 0-	97 0	0
Bars, Welsh, f.o.b. Wales 5 2 6		" refined	97 0 0-	98 0	0
in London . 5 12 6	At	stralian	92 10 0-	92 15	0
, Stafford., ,, 6 15 0	- Ba	ncanom.	. 94 0 0-	00.10	
, in Tyne or Tees 5 10 0		raits	. 92 10 0-	92 15	0
" Swedish, London10 0 0-10 1		COPPER.			
Rails, Welsh, at works 5 5 3-5 1	0 To	ugh cake and ingot.	. 65 0 0-	_	
Sheets, Staff., in London 8 00		st selected			
Plates, ship, in London . 7 5 0- 7 1	0 Sh	eets and sheathing.	70 0 0-	71 0	0
Hoops, Staff., 7 0 0	F	at Bottoms			
Nail rods, Staff., in Lon. 6 10 0- 6 1		illaroo	72 0 0-	-	
STEEL.	Bu	rra, or P.C.C	68 10 0-	-	
English, spring 13 0 0-19		her brands	66 10 0-	67 10	0
,, cast30 0 0-40		ili bars, g.o.b	61 5 0-	-	
		PHOSPHOR BROS	ZE.		
,, fag. ham15 10 0	AT	loys I., II., III., and		P120 0	0
English, pig, common15 5 0-15 10	O A	VI. and VII.		135 0	0
T D 15 10 6 15 1	16	XI., Spl. bearing	or metal	112 0	0
THE D 10 0 0			ig meens	112 0	
shoot and har 10 E 0		BRASS.	02/3		
mine 10 16 0		ire			•
	TU	bes	03/		
-1:40 00 00 04	0	eets		-9 0	1.
patent shot18 10 0		l. met. sheath. & sh	neets 6		
Spanish15 0 0		TIN-PLATES.*	per	box.	
NICKEL.	C	arcoal, 1st quality	1 2 0	- 1 4	0
Metal, per cwt15 0 0-16	0 0	,, 2nd quality	0 18 0	- 1 0	0
Ore, 10 per cent. per ton.20 0 0-25	0 Cc	ke, 1st quality	0 18 0	- 0 19	0 6
QUICKSILVER.		" 2nd quality	0 15 6	- 0 16	6 6
Flasks, 75lbs., war.(nom) 6 7 6- 6 1	0 0 B	nek ner to	n 15 10 0	-	
SPELTER.	Ca	nada, Staff. or Gla.	2 10 00		
Silesian15 15 0-16	/ 4 /	to Laverpoor	,		
English, Swansea16 10 0	-   Bl	ack Taggers, 450 of	30 00	_	
Sheet zinc19 15 0-21	0 0	14 × 10	, 00 00	_	
* At the works, 1s. to 1s. 6d. per	box les	s for ordinary; 10s.	per ton le	ess for	

Canada; IX 6s. per box more than IC quoted above, andadd 6s. foreach X. Terne-plates 2s. per box below tin-plates of similar brands.

At the works, is, to is, 6d, per box less for ordinary; 10s, per ton less for Canada; IX 6s, per box more than IC quoted above, and add 6s. foreach X. Terne-plates 2s, per box below tin-plates of similar brands.

REMARKS.—A very fair amount of business continues to be transacted in most metals, and the tone on the whole keeps satisfactory, nevertheless, with the exception of tin, there is no unusual manifestation of activity in the markets, and in instances where a fair return can be had, from the transactions there is disposition to realize and secure profits. Credit is good and finance easy, and these are the chief causes to which the better feeling can be attributed, although favourable reports of the state of the trade in some of the colonial markets also tend to stimulate buyers to effect purchases before any further advance be demanded. There does not appear much prospect of any expansion in the export demand yet awhile, for advices from New York show that the navigation with the North American ports is already closed, while the unfavourable Indian exchange forms a great drawback to the progress of business with the Indian exchange forms a great drawback to the progress of business with the Indian markets. It is therefore seen that business with the two largest countries to which our chief exports are made is likely to remain restricted for some little time, and, consequently operators who take so sanguine a view of the future, evidently base their opinions upon some other influences than those already referred to. It may be they look for renewed speculation by which higher prices would be realized, on account of the encouraging report of the state of trade abroad as well as the improved condition of the trade for home consumption, which restores confidence, and causes a feeling of hopefulness to prevail. Nevertheless while the markets remain cheerful there is no general endeavour to push up prices or speculate to any material extent just yet. Here and there a speculative movement is seen, some active buy o give more tone ses to higher figures

as to give more tone to the markets, and, if practicable, to push up prices to higher figures.

Coppera.—In consequence of consumers in France being reported rather bare of stock, the market here this week for Chili bars has assumed a more animated tone, and slightly higher prices have been realized. At the moment holders are firm in their quotations, and during the week buyers have been more numerous. The opening price on Monday for cash parcels was £61 to £61 5s., and business was done on Tuesday from £61 5s. to £61 10s. Gobs, at which the market remained steady throughout Wednesday, while yesterday rothing under £61 10s. was offering, at which figure sellers remained, and the market closes to-day at £61 5s. The bond fide demand for manufactured, however, has slightly fallen away, and is not likely to revive again yet awhile unless some inducement be made in the way of cheap prices, as the Indian markets, to which the chief exports are made, have already been largely supplied, and the unfavourable exchange prevents many orders from being placed by Indian merchants. There has consequently not been a proportionate advance in the price of manufactured, and sellers have remained easy in their quotations. Should the charters from Chili, which will be announced next week, be anything unusual, they will probably influence prices; but the imports of Australian copper lately made may tend to swell up the stock unless the deliveries for the month have been fully up to the average. The bi-monthly returns for the first half of the month showed them to be rather in excess of those for the previous few weeks, and it now only remains to be seen whether they have continued satisfactory during the latter half of the month.

IRON.—This market remains unchanged, prices being steadily maintained, owing to a continuance of a fair demand for all descriptions. Speculative business appears to centre very largely upon pigs, and this

gives tone to the market and enables sellers to uphold their quotations in spite of the unfavourable influences referred to in our last—viz., the yvery leavy and constantly increasing stocks in both Glasgow and ynevertheless, on account of a few large American orders having been placed with some of the works, previous rates are firmly held, and as the prospects are considered satisfactory no material change seems likely to be effected in quotations for some little time hence; in fact, the demand may not be sufficient to justify any rise. It appears that the few orders just lately received from America combined with a slightly better inquiry for home consumption are the only features to home the consumption of the consumption

Notes are reader lower, but those for Lagish remain hominally unaltered.

Streel.—This market is quiet, nevertheless a few of the rail-mills are fairly occupied, and quotations remain without change.

Tin-Plates.—Prices continue steady, but the demand on the whole is not particularly brisk, although manufacturers report having received one or two fair orders.

Quicksilver has receded in consequence of a concurrent desire of importers and second-hand holders to effect sales. Many speculators are beginning to perceive what we have on more than one occasion pointed out—that the position of the article is very unfavourable—and would gladly realize their stocks, but the demand for consumption and export is inadequate to absorb the quantities on offer. Meanwhile, the production in California is increasing, and the market there is weak.

The official quotation is 6l. 10s., and transactions from second-hands are reported at irregular prices.

quotations are higher, but without much actual business having been transacted; while, on the whole, prices are merely nominal, and offer no real test of what could be obtained for them on a pressure of sales.

The standards for ore have advanced this week 2l. per ton. and although shares are firmer, not much business has been transacted. Carn Breas have advanced to  $97\frac{1}{2}$ ,  $102\frac{1}{2}$ , chiefly, it is said, owing to a proposition to sub-divide the shares. The mine has also improved. Dolcoaths are quoted 55 to 57; Cook's Kitchen, 10 to 11; Tincroft,  $18\frac{1}{2}$  to  $19\frac{1}{2}$ ; Blue Hills,  $3\frac{1}{2}$  to 4; South Frances, 11 to 12. The amalgamation scheme, we hear, has been abandoned, and South North Busy, Frances will have to provide for its own necessities. North Busy, 2½ to 2¾; at the meeting the accounts showed a profit of 47*l*. in four months working, and the prospects of the mine are considered very

Botallack, 16 to 17; at the meeting in Cornwall the accounts showed a profit of 300*l*. on three months' working, and the debit balance has been reduced to 1172*l*. East Lovell, 30s. to 35s.; East balance has been reduced to 11724. East Lovell, 30s. to 35s.; East Pool, 36 to 38; a dividend of about 11. per share is expected on Monday next. Polrose, 1½ to 2; South Condurrow, 11 to 11½; West Basset, 15½ to 17½; West Frances, 11 to 12; West Peevor, 16½ to 17½; West Frances, 11 to 12; West Peevor, 16½ to 17½; Wheal Basset, 5½ to 6; Wheal Grenville, 10 to 10½; Wheal Jane, ½ to ½; Wheal Jewell, ½ to ½; Wheal Kitty (8t. Agnes), 4½ to 5; Wheal Jewell, ½ to 2½; West Kitty, 2½ to 2½; at the meeting on West Cornish and Devon copper mines to get the Cornish ticket in Cornish and Devon copper mines to get

Kitty, 1½ to 1½; Wheal Coates United, 30s. to 35s. The levels here are improving and the sale of ore this month realised 3431. 11s. 48 West Godolphin, 2 to 2½; West Phœnix, 1½ to 2½; Weal Uny, 3 to 4½; New Peevor, 2 to 2½.

COPPER is firmer, but with the exception of one or two mines there.

is very little doing in shares. Devon Great Consols, 12½ to 13½; the directors have declared a dividend of 6s. per share. Wheal Creber Sety fixthe doing in sarres. Devon Great Consols, 12½ to 13½ it is directors have declared a dividend of 6s. per share. Wheal Crebe, 4½ to 5; the points in operation in the aggregate are valued at 331, per fathom. The sampling is 460 tons of copper ore. West Togas per fathom. The sampling here is 250 tons. Devon United, 2½ to 2½; Bedford United, 17s. 6d. to 20s.; East Caradon, 2 to 2½; East Crebor, 15s. to 2s., Gawton, 20s. to 25s.; Guunislake (Clitters), 3½ to 4; Hingston Down, 20s. to 25s.; Mellanear, 4½ to 5; Marke Valley, 1¾ to 2. Mona, 15to 15½; the 70 east is said to be in solid ore for the width of the fosbreast. The 50 east has also developed a bed of ore which is daily increasing in thickness. Morfa Du, 17s. 6d. to 22s. 6d.; New Cook, Kitchen, 7 to 7½; North Penstruthal, 1½ to 1½. Parys Copper has become in good demand at 21s. to 23s. Prince of Wales is also in demand at 15s. to 20s. West Caradon, 1½ to 2; West Devon, 28. to 30s.; West Seton, 17 to 18; West Gunnislake (Clitters), 20s. to 2s. LEAD mines have been very quiet, with a lower tendency generally. Vans are weaker at 15 to 17; the bottom levels continue to improgrand opening out in good ore. Roman Gravels, 9½ to 9½; the sale declared the support of the sale of the sal

Vans are weaker at 15 to 17; the bottom levels continue to improve and opening out in good ore. Roman Gravels, 9\frac{1}{4} to 9\frac{3}{4}; the sale of lead ore this week, 225 tons, realised 2316L.17s. 6d. East Roman Gravels, 17s. 6d. to 20s.; the mine continues to look well. The monthly sale of 40 tons of lead ore sold this week at 10L.5s. Per ton against 10L.2s. 6d. last month. Northern, 20s. to 22s. 6d.; the sale this week was 24 tons, at 9L.9s. per ton, an advance of 9s. ore last month. South Darren, 2\frac{3}{2} to 2\frac{3}{8}; the mine improves. Pandon 20s. to 22s. 6d.; the sampling is 25 tons of lead and 25 tons of bleed Derwent. 2 to 24: East Van. 1\frac{1}{2} to 2\frac{1}{2}; Glenroy. 10s. to 15s. Lead

month. South Darren, 2g to 2g; the mine improves. Pandon, 20s. to 22s. 6d.; the sampling is 25 tons of lead and 25 tons of blends. Derwent, 2 to 2½; East Van, 1½ to 2½; Glenroy, 10s. to 15s.; Leabhills, 2g to 2g; North Herodsfoot, 11s. to 13s.; Herodsfoot, 15s. be 20s.; Tankerville Consols, ½ to ½ prem. Bwlch United, 2½ to 2½; a improvement is looked for in the 100 fm. Level. D'Eresby Montai, 40 to 50. North D'Eresby, 1 to 1½; the lode in No. 2 adit maintain its value; it is 5 ft. wide, and of a favourable character.

Gwern-y-Mynydd, 3 to 3½; no change reported from Deborah, but the agent considers the ground precisely similar to that found at Fawnog, close to a solid course of ore. Pateley Bridge, 5s. to 10s. Great Holway, 4 to 5; the 60, east of level shaft, is valued at 3 tota of lead per fathom. Gorsedd and Merllyn, 2½ to 3; the 70 crossent is now close to the east and west vein, which proved so productive in the upper levels. Frongoch, 4 to 4½; this mine has sampled 10s tons of blende. West Lisburne, 1 to 1½; Hennant, 3 to 3½; Penorsedd, 1 to 1½; West Holway, 1½ to 1½; Grogwinion, 3 to 3½; Hartington, 1 to 1½; West Holway, 1½ to 1½; Grogwinion, 3 to 3½; Hartington, 1 to 1½; Swew Wye Valley, 1½ to 1½; Swew Hye Valley, 1½ to 1½; Brazilian 60d.

Placerville,  $2\frac{1}{5}$  to  $2\frac{3}{5}$ ; Canadian Copper,  $1\frac{1}{5}$  to  $1\frac{1}{5}$ ; Brazilian 6  $1\frac{1}{5}$  to  $1\frac{3}{5}$ . Advices just received state that at each of the precached in the three rock mines—Descuberto, The Matta Ma and Servicio Velho—gold has been met with; as it has also inthe crushed workings of the jacotinga. Devala-Moyar, 2½ to ½ Indian Glenrock, 1½ to 1½; Indian Phenix, 1-16 to 3-16 pm. South Indian, 2 to 2½; Kapanga, ½ to ¾. Good progress is being made in sinking the shaft below the 50 fm. level, and this we is pressed forward with all speed.

English-Australian, 15s. to 20s.; advices have been received the new drawing-genine is now at work, and that compliance.

the new drawing-engine is now at work, and that crushing had re the new drawing-engine is now at work, and that crushing had recommenced. In the eight days before the mail left they had passed 330 tons of stone through the mill, but the gold produced was not stated, as the clean-up would not be made till the end of the month. The crushing of 1000 tons per month would give a large profit (Cape Copper, 40½ to 41½; Chontales, 5s. to 7s.; Colorado, 2½ to ½; Copiapo, 11½ to 12; Don Pedro del Rey, 12s. 6d. to 15s.; Eberhant and Aurora, 2½ to 2½; Flagstaff, 1½ to 2; Frontino and Bolivia, 4to 4½; Emma, 4 to 4½; New Quebrada, 6½ to 6½; Nouveau Montha 20s. to 22s. 6d.; Panuncillo, 6½ to 6½; Pestarena, 5-16 to 7-16; Richmond, 15 to 15½; Ruby, 7 to 7½; St. John del Rey, 180 to 190.

The Market for Mine Shares on the Stock Exchange has fully maintained the activity noticed last week; prices are generally higher, and there is little or no difficulty in finding purchasers at quotations for the shares in any mine of ordinary reputation. Deva Great Consols has declared a dividend of 6s. per share for thequate, making 32s. during the year, which represents nearly 14 per cent to buyers at the present prices, which, after all, is the only result able way of calculating. The Wheal Peevor district is now becoming an important tin-producing district, and it is considered that these turning their attention to it will be well satisfied with the result At Wheal Peevor they will declare a good dividend next month, and the prospects of West Peevor are regarded as exceptionally good. The position and prospects of both copper and tin being good, them is every confidence with regard to the mines producing those metals. Indian Gold Mines have continued in great favour, and a large amount of business has been done, although there has been no material advance in prices. The new undertakings are readily obtaining

rial advance in prices. The new undertakings are readily ob-the capital asked for. The South Wynaad Gold Mining Co-announce that their list of applications will close on Wednesd for London and on the day following for the country; and the Reefs have received so large a numbe rof applications that the ditors will meet early next week to settle the day for closing success of these newer enterprises is no doubt attributable to satisfactory progress being made by those first started. The cipal quotations are:—South Indian Gold, 2 to 2½; Indian Glem 1½ to 1½; Devála-Moyar, 2½ to 2½; Devála Provident, ½ dis. to ½ midian Phoenix, 1-16 to 3-16 prem.; South-East Wynaad, 1¾ to is only fair to state that the South Indian Gold Mine is the first proportion of the professional content of the professional prove the value of its property at depth, one of the reefs having ested 30 ft. below the outcrop, showing visible gold. The made ought to be delivered at the mines before the close of the year full confidence is felt that when in full work the result will be

omething extraordinary.

The Rashleigh Tin and Copper Mine (Limited) a since their prospectus was issued an extraordinary discovery been made in the adjoining mine (New Eliza), where a lode of already 12 ft. wide is laid open, and the south wall not as reached. There are rocks of tinstone being blasted out 3 to

re reported at irregular prices.

There are rocks of tinstone being blasted out of time weight, producing on an average the enormous quantity of 4 ords of the state of the company, which was noticed last week inviting applications for 5000 shares, have, it is said, received applications in excess of that purples and it is said, received applications in excess of that purples and it is accorded to the company. plications in excess of that number, and it is suggested directors had much better receive applications for the bal shares at par, as it is evident that the public consider that it seems little in taking a share in a capital of 30,000 for a larged mine which has actually produced from shallow working 12,400 ozs. of gold. It appears that 423 ft. have been already of the public of th

driven, leaving 452 ft. only to drive to reach the lode.

Devon Great Consols, 13\(\frac{1}{2}\) to 13\(\frac{3}{2}\) ex the quarterly dividendes, per share declared on Wednesday; this is the fourth divident paid this year, and will make altogether 32s, per share profit, of the rate of 160 per cent. per annum. Considering the lower may prices for copper and copper ores during the last six or eight month and the great outlay made as set forth in the directors report is sented to the meeting, the shareholders are to be congratulated such a satisfactory statement; as we at heavench exists the Chairman and the great outlay made as we at heavench with the Chairman and the great outlay made as we at heavench with the Chairman and the great outlay made as we at heavench with the Chairman and the great outlay we at heavench with the Chairman and the great outlay the chairman and the great outlay the chairman and the great outlay to the chairman and the great outlay to the chairman and the great outlay to the great outlay to the great outlay to the great outlay to the great outlay the great outlay to the great outlay such a satisfactory statement as was then made by the Cha managing director, Mr. Peter Watson. A full account of ing will be found in another column. The attention of C Devon mine managers generally should be directed to a portant question brought forward at this meeting by M Watson as to selling Cornish and Devon copper ores at Swal

ings done awa a, and With ace. There is hortly startin Devon Green actory progreen ears to be a copper ore

Nov. 2

West Phoen able appearant lode in sinkin old Phœnix 1 200,000*l*., it i act more Mona, 14½ ( 0) east is in a drivages have 100 of anothe engine at Car matters are p "L'Escroqu otter address he Simplon

page of Tuese personified it is he ral name o and declares the judgment of As and Court of The moderation, so is to general me the caution moderate in the caution moderate in the Research the said known to E sme 11 years the told and vand will no down the Procureur of the Court ood demand aring the investors are s published we decided compressors developing t not be forgo producing w to 10 ozs. or now highly 1 to Oct. 9; at to Oct. 9; at 50 ft. level; bar of groun ceeding satis affairs in th had much in many of the One or two mother 51 o Copiapo, dend of 5s. 1 templated to (with 11. 14s

> oved, and lead ores are La Plata the fifteentl

profits for t per annum.
consequence
of a formal

Richmond Eureka, Nettons of ore.
value of \$5

points of op has been drift contact up to of quartite 40 f ground. The The winze sin is well defined whole, they he Twesday for general from the contract of the contract o The output from the couper to be in the total to be in the part of the maned. The a advices, nearly flagstaff, tively dealt immediate. btained to

hat since t this depth v shaft a dist.

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ss such by
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the workings
level the hear
that a winze s done away with in order to obtain greater competition at Swan-s, and with it, as is thought, greatly enhanced prices for the pro-tice. There is also some talk of a new copper smelting company

There is also some talk of a new copper smelting company shortly starting with a large capital.

Devon Great United, 2\frac{1}{2}\text{ to 2\frac{2}{3}}\text{ and in good demand since the setting of shareholders on Wednesday, owing to the highly satisfactory progress which is now being made at the mine, and there appears to be a very general feeling that some important discoveries of copper ore and mundic (arsenic) will be made at no very distant of the meeting will be found in another prior.

West Phenix, 2 to 21, and in demand owing to the highly favourable appearance and indications of shortly intersecting a rich tin bede in sinking the engine-shaft. Remembering what the adjoining old Phenix Mine has done in paying h dividends some 150,000. to 30,000. it is considered probable that West Phenix will shortly attact more attention than heretofore.

Mona, 14½ to 15½; the mine has been much improved of late. The count is in solid ore for the width of the level while other of the

east is in solid ore for the width of the level, while other of the To east is in some ore for the width of the level, while other of the drivages have also improved preparations are making for the erection of another furnace to keep pace with the increased returns. The agine at Carna shaft is almost ready to start, and on the whole all matters are progressing satisfactorily.

eagine at Carna shart is almost ready to start, and on the whole all matters are progressing satisfactorily.

"L'Escroquerie du Simplon" forms the subject of an extraordinary letter addressed to the Procureur of the Republic with reference to the Simplon line, by Mr. J. David, and which fills the entire front page of Tuesday's Credit National. The letter states that the line is responified in an adventurer and a processing to the procure to the state of th tie Simplon line, by Mr. J. David, and which his the entire front page of Tuesday's Credit National. The letter states that the line is personified in an adventurer and a . . . , who does not answer to fire a name of Adrien Morihon, but prefers the false title of Count de la Valette, addenate that he would be arrested if he went to Switzerland, and that by signed of Adrien Morihon, but prefers the false title of Count de la Valette, and declares that he would be arrested if he went to Switzerland, and that by signed a declares that he would be arrested if he went to Switzerland, and that by addition one of the Valette Company forfelted the entire concession, and the sation money was confiscated. There is, moreover, no regular board of administration, since none could be appointed for more than three years, and the late 25, 1876. Besides, three directors are necessary by the articles, yet, except one Charles Salmon, occupying furnished appartments at 50 frs. per month, the inthe Recent Company, and the late of the said Adrien Morlhon. If these be facts, it is essential that they should known to English capitalists (who were said when the company was formed semil 1 years since to have given it their support), because at the present time thee old and worthless Simplon bonds are being offered on the Paris market, and will no doubt find their way to England, the nominal Paris quotation of 8 frs. being used to get rid of them. The letter of Mr. J. David is one which Procurser de la Republique cannot neglect; either he must prosecute Adrien Mr. J. David's charges are unfounded, and thus silence blim, for the protection of the Oont de la Valette and his very honourable friends.

Kapanga Gold, § to §; these shares are reported to have been in good demand, and some large transactions have quietly taken place

good demand, and some large transactions have quietly taken place during the week. It is said that some of the Indian gold mine investors are coming into this concern rather extensively. It will be stifiactory to the shareholders to observe the advertisement, which is published in another column, showing that the board of directors have decided to dispatch as quickly as possible rock-drills and air compressors for the purpose of more vigorously and expeditiously developing the resources of these extensive properties, for it should developing the resources of these extensive properties, for it should not be forgotten that the ground has produced, and is capable of producing when developed, quartz running as high as 5, 6, 7 and up to 10 ass. or more per ton, as many of the neighbouring mines are now highly productive. The mail this week has brought news down to 0ct. 9; at that date the shaft had been sunk 3½ fms. below the 50 ft. level; greater speed would have been obtained but for a hard har of ground which had been encountered. Everything was prosiding satisfactorily. From the local papers we gather that mining par of ground which had been encountered. Everything was pro-ceeding satisfactorily. From the local papers we gather that mining affairs in the Coromandel district, in which Kapanga is situated, had much improved; several of the new claims had struck gold, and many of the old ones are showing evident signs of improvement. One or two very rich strikes had been made, and the return of gold was increasing. One company had obtained 70 ozs. from 8 tons, another 51 ozs. from 10½ tons, and so on. (Conjano, 11 to 12; the annual report recommends a further divi-

Copiapo, 11 to 12; the annual report recommends a further divided of 5s. per share, making 10s. per share for the year. It is contemplated to divide each 20t. share (with 17t. paid) into 10 2t. shares (with 18t. paid).

(with 1l. 14s. paid).

Homachos, 10 to 11; several of the drivages have further improved, and some important additional discoveries of rich silverlead ores are likely soon to take place.

La Plata Mining and Smelting, 1\(\frac{1}{2}\) to 1\(\frac{3}{4}\); the directors announce the fifteenth consecutive monthly dividend of \(\frac{\$15,000}{0}\) out of the profits for the month of October, being at the rate of 9 per cent. Per annum. The shares are reported to have been in demand in consequence of this announcement of dividend, and in anticipation of a formal quotation being obtained.

of a formal quotation being obtained. Richmond, 154 to 154; the usual telegram from the mines at Eureka, Nevada, states that the week's run was \$45,000, from 900

Eureka, Nevada, states that the week's run was \$45,000, from 900 tons of ore. During the week the refinery produced doré bars to the ralue of \$50,000. The manager (Nov. 3) reports upon the various points of operation. The 800, south-east from shaft, on quartzite, has been drifted 4 ft. Work has been resumed on this drift, to explore on the constant upon the compromise line, where we find some ore making down on the quartzite 40 ft. above the 800. The 900 west has been drifted 18 ft. in hard ground. The 900 north on fissure, has been advanced 7 ft. without any change. The wines sinking below the 900 north is down a total depth of 18 ft.; the fissure is well defined and favourable for ore. The chambers are looking well; on the whole, they have improved since last week. No. 3 furnace was closed down on Tayslay for general repairs, and will start again this evening.

Ruby and Dunderberg, 7 to 7 to 7; continual progress is, it is stated, wing exhibited in the quantity of ore raised. The report and telegram from the company's superintendent are considered satisfactory. The output this week shows an increase, and in advices just to hand from the company's mines it is stated that the ore returns are expected to be largely augmented, in order that the company's furnaces may be peted to be largely augmented, in order that the company's furnaces may be rept at good work. The company is assaying the ore as it comes to the furnace dump, and the quality reported to be fully equal, if not superfor, to any hitherto hised. The alterations to the company's furnaces were, according to the last stdies, nearly completed.

Flagstaff,  $11\frac{1}{8}$  to  $2\frac{1}{8}$ ; these shares are reported to have been ac dealt in during the week, and a considerable further and diate rise is anticipated in consequence of the counsel's opinion led to-day that the old shareholders can legally become posblained to-day that the old shareholders can legally become posessed of three shares in the new company by payment of 15s. in
spect of each old share, instead of 1L, as heretofore contemplated. Active
reparations are, it is understood, being made for bringing out the new comsay, in which powers are to be taken for acquiring certain adjoining interests
stincluded in the title of the American Mining Company—especially the
state of Manberger, which that gentleman has, it is said, agreed to re-lease
the new company about to be brought out, and to take payment in shares of
see money seems to have been particularly well received, more than double
seem required having been offered him.
H. Fearson takes exception to the, statement in last week's Journal that he
as been replaced by Professor Vincent, and wishes it explained that the conset between the American Mining Company and Professor Vincent, whereby
the former sells the property to the latter for 27,500L, was effected by communication direct with Sail Lake City. Mr. Pearson believes, from brief telegram
brypher received from Mr. MacCormick, that 5000L deposit has been lodged
yo on behalf of Messra. Seligmann, and that 60 days has been allowed for the
Name of the balance.

syment of the balance.

Betering to an order recently made by the Master of the Rolls for compulsory middle and Greenip have issued a circular dated Nov. 25 (it would be important to learn whether the amicable arrangement between Prof. Timent and Mr. Bamberger refored to in the preceding paragraph was made before or after this circular was drafted), in which they state that such an order was, they think, inevitable in view of the disorganised condition and heavy institutions of the company, coupled with the fact that its mine has passed completely out of its possession, and that the efforts made by Mr. Pearson and Prof. Incent. for its reorganisation had not been successful. They remark that in the recent will be desirable that the new company to be formed should on the bardened with a heavy capital, by the issue of shares partly paid to share or destructed that it is not a share contained with a heavy capital, by the issue of shares partly paid to share or destructed that the shares can be issued without subjecting their holders to the liability of being called upon to pay the amount which may be credited to them thereon, and consider their interest best consulted by their having a preferential right of allocation of the provide for contingencies), and in which all the subscribing shareholders would be placed upon equal terms.

Missouri, 10½ to 11; advices from the mines, dated Nov. 9, report that since the 1st inst. the old engine-shaft has been drained to a depth of 180 ft., and timbered complete to a depth of 165 ft. At this depth we came to a level running north from the old engine-shaft a distance of 122 ft. to a shaft known as Air shaft, and used sarsal such by the parties working the mine. This level had been surface quality, and is 4 ft. by 6 ft. The back has been extensively stoped, and

such by the parties working the mine. This level had been sinch by the parties working the mine. This level had been had regularly, and is 4ft. by 6 ft. The back has been extensively stoped, and workings show that the lode has been strong and very rich. Through this el the twelst lead deposits were in large clear openings. We also found it a winse had been sunk in this level some 95 ft. north from engine-shaft.

On reaching the air shaft we found the level had been continued north from the air shaft 100 ft. Little stoping had been done, and there are places in the back that are very promising to drive. The lode in the level, and where it shows in the shaft, is as we expected to find it. The pumps and machinery in shaft were massive and costly, and we have taken out a number of tons of old castings and parts of the engine that were thrown down, which we shall ship to St. Louis, and sell as scrap-iron. In St. Clair Mine the ore ground remains much as stated in our letter of the lat. The dressing machinery is being set as quickly as the work can be done. Telegram, Nov. 20; "Engine-shaft down 230 ft.; lode steadily increasing."

South Wheal Crebor, 14 to 13; these shares are reported to have been in demand during the past week in consequence of the recent discovery. The lode in the 16 is now worth 3½ tons of copper ore per fathom. The cutting of the east and west lode referred to by the agent at the shareholders' meeting, on Wednesday, is an interesting as well as an important point, and will place the mine in a considerably better position. onsiderably better position.

considerably better position.

In Lead Mine Shares there has been a large amount done, consequent, it is said, upon the better price which the miners are receiving for their produce. In one instance the same quality ore is reported to have realised 9s. per ton more this month than last.

Tankerville Great Consols, \( \frac{1}{8} \) to \( \frac{1}{4} \) prem.; a fair amount of business has, it is reported, been done at these prices. The allotment letters went out this week, and it appears that non-Tankerville old holders got only about half what they applied for. Some important discoveries of lead ores are shortly expected from the intersection of side lodes, and vigorous operations are now being directed with this object. this object.

this object.

Leadhills shares have been in good demand all the week at about 2½ to 2¾, with an upward tendency. A good rise in the price of lead would of course materially affect this company, as was pointed out by the Chairman, Mr. Peter Watson, at the last half-yearly meeting. Frongoch, 4½ to 4½; this company has sampled 100 tons of blende for sale next week, and other parcels of blende and lead are preparing for market. The latest news from the mine is to the effect that everything is progressing as well as usual, and in several places important improvements have taken place. A letter written from the mine last week by one of the principal shareholders states that it "is looking as well as ever everywhere, and in some places better; the greatest difficulty now is in getting the great accumulations of ore away." A splendid run of ore has been cut at the 130 east, and the bottom level is also being driven in what is considered to be permanent ore-bearing ground.

Grogwinian ¾ to 3½; the new shaft has been sunk from surface to the bottom level, and the new water-wheel is fixed and almost ready for use; and the mine, in the deep workings below the level of the river, is opening out in a very satisfactory manner.

New Wye Valley, 1½ to 1½; good reports continue to come to hand. The ground about the new shaft is yielding capital ore in the bottom level, and seems likely to further improve. It is intended to resume the sinking of this and Tippett's shafts, as the prospects of opening up very rich ground in depth are good. There are many points in the mine yielding ore plate is to the effect that further good allecoveries will be made by driving several corse-cuts at the 22, east of new shaft.

Red Rock, 1½ to 2; it is stated that there has of late been a very marked im-Leadhills shares have been in good demand all the week at about

further good discoveries will be made by driving several cross-cuts at the 22, east of new shaft.

Red Rock, 1½ to 2; it is stated that there has of late been a very marked improvement in this mine, and that it is now looking better than it has done for many months past. It appears that in the 23 cast, in the section of ground adjacent to the Frongoch Mine, and in the same famous lode, a very important discovery of ore has been made, which is likely to prove of the greatest importance to the future of the company. It is said that the lode is very rich in the end of the level driving towards Frongoch, and beats anything ever seen in themine. A further parcel of lead has been sent to market, and others will quickly follow. Gwern-y-Mynydd, 3 to 3½; the favourable channel of ground still continues at Deborah, both north and south, and the agent reports it from personal observation as a fac-simile of the ground which in Fawnog was found in close proximity to a course of solid ore 9 ft. thick.

Van, 16 to 18; the 120 west and the winze below the 105 still continue to open out good ore. No change elsewhere.

Pateley Bridge, ½ to ½; the drivages of the 30 towards the three velns has been resumed. Other points looking well.

[The closing quotations being given in the Share List on the last page of the Journal it is unnecessary to repeat them here.]

INSURANCE SHARES have, according to this evening's report of Mr. W. L. Webb, of the Stock Exchange and Finch-lane, been dealt in as follows:—Alliance British and Foreign, 25½; Commercial Union, 24½ to 25½; Fire, 3½ to 49½; Imperial Fire, 150 to 152½; Indemnity, 106½; Liverpool and London, 20½; Lion, 21½, to 10½; London and Provincial, 44½, to 5; Marine, 91 to 91½; Merchants, 1½ to 12½; Railway Passengers, 7½; North British and Mercantile, 60½ to 61½; Rock, 8½; Occan, 71½, to 7½; Sun, 450; Universal, 99½ to 9¾. Insurances firm. For closing prices see list ion last page of Journal.

Universal. 9% to by 3. Insurances arm. For closing prices see incloness page of Journal.

GAS SHARES.—The principal business in these shares, according to this evening's report of Mr. W. L. Weers, of the Stock Exchange and Finchlane, has been in Bombay, 5% to 6; British, 34; Continental Union, 21½ to 21½; ditto new, 24½ to 25½; European, 19½ to 19½, Gas, A, 179 to 184½; ditto, fifth issue, 17½ to 17½; ditto, H, 7 per cent., 135 to 1.7; ditto, C, 221½ to 223; ditto, D, 222; ditto, E, 221½ to 222; gitz, E, 221½ to 222; gitz, E, 21½ to 222; gitz, E, 21½ to 187; Malta and Medierranean, 23½; Rio de Janeiro, 25½; San Paulo, 13. Gas stocks little doing, but steady. For closing prices see list on last page of Journal.

TRAMWAYS.—The closing prices of this evening, as quoted by Mr. W. Abbort, of Tokenhouse-yard, are given in tabular form in the last page of the Journal.

The London and Staffordshire Insurance Company notify that Mr. homas Short, director of the Birmingham Joint-Stock Bank, has joined the

Thomas Short, director of the Birmingham Joint-Stock Bank, has joined the Board since the issue of the prespectus.

The Right. Hon. George Sclater-Booth, M.P., late President of the Local Government Board, and Mr. Herbert Barnard, of the firm of Messrs, Dimsdale, Fowler, Barnard, and Dimsdale, have joined the Board of the Anglo-Egyptian Banking Company (Limited).

e, Fowler, Barnard, and Dimsdale, have joined the Board of the Angloyptian Banking Company (Limited).

With this week's Journal a Supplemental Sheet is given, which contains: Original Correspondence: Colliery Explosions—Causes and Preventions: Important Seismological Observations (F. Maxwell Lyte); On Coke Making—No. IV.; the Future of Coal Mining in Yorkshire, Derbyshire, and Nottinghamshire (W. J. Thompson); Practice—Another Problem (R. Knapp); the Emma Silver Mine; Gold in India; Gold Mining in the Dutch West Indies A. M. Chunaceiro Az.); the Phosphate Deposits in the West Indies A. M. Chunaceiro Az.); the Phosphate Deposits in the West Indies (A. M. Chunaceiro Az.); the Phosphate Deposits in the West Indies (A. M. Chunaceiro Az.); the Phosphate Deposits in the West Indies (A. M. Chunaceiro Az.); the Phosphate Deposits in the West Indies (A. M. Chunaceiro Az.); the Phosphate Deposits in the West Indies (A. M. Chunaceiro Az.); the Phosphate Deposits in the West Indies (A. M. Chunaceiro Az.); the Phosphate Deposits in the West Indies (A. M. Chunaceiro Az.); the Phosphate Deposits in the West Indies (A. M. Chunaceiro Az.); the Phosphate Deposits in the West Indies (Company; Company; Pesterana Gold Mine; the Panulcillo Copper Company; Central Railroad Company of New Jersey; the Lead Trade; the Tin Trade (H. Tiedeman); Boring Machinery; in Cornwall (Hathorn and Co.); Dolcath and Tincroft (Percy Payne); Tin Mining Extraordinary in Cornwall; Tin Mining—New Eliza and District (T. Vosper); Devon Friendship Mining Company, and Devon Great Consols (H. W. Lamb); Devon Friendship Mine (C. Thomas); Leadhillis; Wheal Hony and Trelawy United Mines; the Moray Firth Mining Company (A. Francis); Llanrwst Mining Company, Cambrian Mining Company (G. H. Keene); Ancient and Modern Mining Engineering; Abandoned Mines—Devon Consols Meeting; the Vincent Tin Mining Company (G. H. Keene); Ancient and Modern Mining Engineering; Abandoned Mines—Devon Consols Meeting; the Vincent Tin Mining Company (G. H. Keene); Ancient and Modern Mining

DEVON FRIENDSHIP.—The prospectus of this company has been ost favourably received, and the applicants for shares are of a most favourably received, and the applicants for shares are of a wealthy and influential class. The property is generally regarded as of unusual merit and importance, and possessing the elements of more substantial, earlier, and more certain success than a very large proportion of similar undertakings that are brought before the public. We would draw attention to the letter (in another column) of our esteemed practical correspondent, Capt. Chas. Thomas, of the well-known Cook's Kitchen Mine, with which he has been associated as an agent for upwards of 27 years. The opinions of so good an authority are very valuable. We also have a letter from that veteran of mining celebrities, Mr. Jehu Hitchins, which is of special interest. His brother Josiah is famous as the discoverer of the wonderful Devon Great Consols lode, but we are sure that he would willingly allow Jehu to share, on at least equal terms, the thorough practical experience of a lifetime, of the mineral features of the Tavistock district. Mr. Jehu Hitchins writes:—"Nov., 1880.—With regard to my opinions and views of Wheal Friendship, permit me briefly to observe that I was brought up to mining in the Tavistock district, when I became well acquainted with the different mines within its range, as well as others more distant. Of the former category was the Wheal Friendship, decidedly the most extensive and profitable, and the first I ever went underground in; my father, whom I assisted for many years, being mineral agent to the land-lords, Mr. John Buller, of Marval, and his brother, the Rev. Rd. Buller. For years I frequently examined the mine, and therefore know the very rich and productive nature of the lodes in the old mine, for which I not only then but still do entertain a most favourable opinion; not only of extensions east and west thereon (in the

latter direction more especially), but also of the lodes parallel therewith, both north and south, if properly explored. Since these days one of these lodes (Bennett's) has verified my expectations to the extent of operations thereon, which may be regarded as only an earnest of what is to come. The foregoing refers only to the copper ores of former times, since which the tin, then overlooked, has been found to be in profitable quantity; and, what is of considerably greater importance, is the increased value of the arsenical mundic, immense quantities of which are proved to be available in both the old mine as well as in Bennett's levels, which can be converted into crude or refined arsenic at a considerable profit, so as to enhance the value of this property to a very appreciable extent. Altointo crude or refined arsenic at a considerable profit, so as to enhance the value of this property to a very appreciable extent. Altogether, I regard this property as constituting a very promising field for mining operations on an extended scale; having, besides the promising prospects, the great advantage of the easy acquisition of labour from the neighbouring villages, and, above all, an ample supply of water power, of sufficient force, if well directed, to master all the requirements of both the old and Bennett's lode, to any depth they may attain for many years to come." Comment on these remarks would be superfluous, and we need only refer to the prospectus in our advertising columns for particulars as to the capital of the company, &c. The composition of the board of directors requires no recommendation.

OLD WHEAL ROSE .- This celebrated old mine near Helston is about to be reworked with vigour by the Lomax Company. Some special reports respecting it appear in our pages to-day, as also an appeal for capital in our advertising column. The mine is very highly spoken of.

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50 South Devon United, £1 10s.
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rms to the investor.

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### MONEY AND MINING.

T IS WELL TO LOOK BEFORE YOU LEAP, Anyone who thinks of putting money into Mining can, by writing to me, have sent free to his address, a CfRCULAR, which will give him Valuable Informa, Points of Financial Utility, and Practical Views regarding Mining Invest its generally, considered from a business standpoint.

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### Actices to Correspondents.

\*,\* Much inconvenience having arisen in consequence of several of the Numbers during the past year being out of print, we recommend that the Journal should be filed on receipt; it then forms an accumulating useful work of reference.

DE MINED LEAD AND ZING ORES—"H. C." (Truro).—The proposition to treat the mixed ores so as to produce an alloy direct is not new, but there is still room for a process which will do it successfully. One of the last suggestions was to volatilise as much as possible, and use the sublimate and flue dust as a pigment just as it is scraped up; the remainder of the lead being reduced in the usual way. It was said that the bad colour of the pigment was the sole objection to it, and that the the process as a whole could be carried on at a profit, where the lead and zinc could not be separated in the ore by dressing.

RATE OF WINDING—"Enquirer" (Mons.)—The speed varies considerably in different English collieries: from 20 miles to 30 miles an hour is an ordinary rate. At Rosebridge, Wigan, four tubs, or 28 cwts, of coal are drawn from a depth of 2413 ft. in 50 seconds, which considering the reduced speed at starting and stopping would give fully 35 miles per hour for part of the journey. There is no unpleasant sensation in descending Rosebridge at this rate. At Dukinfield they take 1½ minute to raise a similar weight only 2034 ft., which is less than 15½ miles an hour.

COMPRESED AIR—"M. R." (Huelva).—It is of course, not impressible that wind.

they take 1½ minute to raise a similar weight only 2034 ft., which is less than 15½ miles an hour.

Compressed Alr—"M. R." (Huelva).—It is, of course, not impossible that wind-power could be employed for compressing air to be used for working rock-drills in mines, but as to whether it would be economic or otherwise would depend upon so many circumstances that it would be impossible to answer the question off-hand. Where the utilisation of wind-power is popular very good results are frequently obtained, but where the users are predisposed in favour of steam they expect so much from wind that they are usually disappointed. Any of the compressors advertised in the Journal could be adapted to work with wind-power in secssary. When fuel is obtainable at reasonable cost steam is, of course, preferable.

Received,—"F. H." (Colorado): Yes—"G. F. A.": We could not devote space for so long a paper: it should be published as a pamphlet—"Constant Reader" (Bristol): We will endeavour tod soo. If you can assist us, do—"C. M. W.": The depth of the Monkwearmouth Colliery, near Sunderland, is 1736 ft. See an article in this week's Journal, in which many other particulars than those required are given—"M. G. S."." O. M."—"D. A. L."—"E. J. S." (Killifreth): See a report from the mine in another column. Can any correspondent give some details as to the prospects of future working—"T. W. G."—"J. J. W." (Chicago): Next week—"Bournonite: The Canadian Mining Notes shall appear next week—"W. B." (Aberdaunant)—"C. E. W." (Telegram)—"Viator" (North Wales Slate Quarrying)—"Traveller" (Mining in Cardigan)

### THE MINING JOURNAL.

Railway and Commercial Gazette.

LONDON, NOVEMBER 27, 1880.

### MECHANICAL VENTILATION OF MINES.

During the last three or four years nothing in connection with mining operations has made such progress as mechanical ventilation, which is undoubtedly the best that can be adopted. The fan has been known for many years, but it has now been brought to a high state of efficiency in a comparatively short time. So long as minerals were worked at a short distance from the surface ventilation was an easy matter, for the works were in communication with the outer air either by pits or horizontal galleries opening into the atmosphere either at the same or different levels, the current of air being obliged to circulate in the mine, sometimes ascending and sometimes descending according to circumstances. But where mines have been sunk to considerable depths from the surface, and with far more extended areas, the altered condition of working, as well as the greatly augmented production of dangerous and explosive gases, has necessitated the adoption of various systems of ventilation. In coal mines up to a comparatively recent date the furnace has been almost geneup to a comparatively recent date the furnace has been almost generally adopted. The temperature of a furnace, however, is exceedinly variable, and so also is the ventilation, but in a less degree. The amount of ventilation produced by a well constructed furnace varies in practice from 4000 to 8000 cubic feet per minute for each foot in breadth of the bars. The bars are usually about 6 feet from front to back, whilst the furnace is usually placed some 30 or 40 yards from the shaft, so that the currents of air of different temperatures are work uniformly mixed before entering the upcast. But there is more uniformly mixed before entering the up-cast, But there is some danger incurred by the furnace, for when the air returning from a mine is extensively mixed with gas nearly up to the explosive point it flashes off in long flakes as it passes over the fire, and may ignite, and so do serious injury, especially where there is not a dumb drift to the shaft, which is usually put about 20 yards above the furnace. A practical limit is soon reached in the application of almost any ventilating power, but soonest in the case of the furnace, in consequence of the high temperature and the small exhaustion (not exceeding in any mine 13 lbs. on the square foot) which it affords. decing in any mine 13 los. on the square foot; which it alroids. Mechanical ventilation, however, offers superior advantages to the furnace or any other known system, as it afforded the managers of mines the means of increasing the ventilation at pleasure, and thereby be prepared to meet any emergency that might arise, so that an amount of air could now be sent through the workings of a mine that would have been considered impossible 20 or 30 years ago.

Mine owners, it may be said, have fully appreciated the introduction of reobarical explications of late years for giving increased.

Mine owners, it may be said, have fully appreciated the introduction of mechanical applications of late years for giving increased safety to those they employ, and this is fully shown by the great extent to which the primary principle of furnace or driftway ventilation has been superseded by the more effective and elaborate construction of the fan. Mechanical ventilators simply have long been known, in the shape of pumps, screws, pneumatic wheels, and fans, and a rather peculiar machine was put down many years ago at the Mairhais Colliery, near Seraing. It consisted of two iron tubs, or aerometers, each 11 ft. 6 ins. in diameter, suspended from a beam, allowing of a 5 ft. stroke. The velocity of each aerometer was 125 lineal feet per minute, and 11,500 cubic feet of air was exhausted at a drag of 63 lbs. to the square foot. At the Hepburn Colliery, many lineal reet per minute, and 11,000 cubic teet of air was exhausted at a drag of 6\frac{3}{2} lbs. to the square foot. At the Hepburn Colliery, many years ago, Mr. Buddle put down a double-acting air-pump, when the discharge of gas was such that it was considered dangerous to have the furnace going. The cylinder was 8 ft. and 5 ft. square, and the piston made 80 strokes 6 ft. in length per minute. In Belgium Fabrys and Lemeille's ventilators were first introduced, and the fearest exhibition of 1851. Fabrys and Lemeille's ventilators were first introduced, and the former obtained a prize medal in the Great Exhibition of 1851. It consisted of two wheels on parallel axes revolving in a case in opposite directions by means of external tooth wheels. The teeth of each axle drove the air, but the contact in the centre arising from their peculiar shape prevented the air from returning. One of the machines, of which each cog or tooth was 6 ft. 6 ins. in length, and 5 ft. 7 ins. in its projection from the centre, was propelled by an excise with 12 is explicitly and 2 ft stocks with the steam at 41 lbs. engine with 12-in. cylinder and 2 ft. stroke, with the steam at 41 lbs engine with 12-m. cylinder and 2 it. stroke, with the steam at 41 los. The number of strokes was 48, and the quantity of air exhausted 24,400 cubic feet per minute at a resistance of 9½ lbs. per square foot. Those machines, unlike other ventilators, have been more frequently used for forcing the air through mines than in exhausting it. Another machine of a similar character, but perhaps more simple,

was invented by a Mr. Jones, of Birmingham, there being more perfect contact with the pistons. It has been extensively used by gas companies in pumping gas through the purifiers, producing a large amount of exhaustion. The common straight-vaned fan, with the air entering on each side, similar to Letoret's, has been put down and their families we should like to see the liberal offer of the mine owners in several districts accepted, and that in a kindly spirit air entering on each side, similar to LETORET'S, has been put down at several places. HERBERGER'S fan was just known about 40 years ago. Each alternate vein being shorter than the other there was not much throttling of the air, and the ingress of the latter was prevented by a sheet-iron ring dipping into the water. Many years ago a fan was put down at Earl FITZWILLIAM'S colliery at Elsecar, in the West Riding, by Mr. BIRAM, the inventor of the anemometer which bears his name, and is still at work, and though the seam is a fiery one the gas is thoroughly diluted. LEMEILLE'S fan is not much known in this country, though it is in France, some of them being at work in the Aniche Mines. At the Renaissance Pit, in connection with the mines named, there is a small Lemeille 14 ft. in diameter, 12 ft. high, giving 22,000 cubic ft. of air per minute at 15 or 16 revolutions a minute. A considerable number of fans are now to be found in most of our mining districts, and they are fast being adopted at places where the furnace system has been in use, whilst as a rule they are being placed in new mines, for capitalists find it most economical to take advantage of the most advanced results of mechanical and scientific experience, and the encouragement given to inventors has led to more zeal and ability being attracted to the mining industries of the county than was formerly the case, so that the ventors has led to more zeal and ability being attracted to the mining industries of the counry than was formerly the case, so that the theory and practice of ventilation are now studied to a greater extent than ever. The Guibal fans, introduced to this country from France and Belgium, are now well known, for they are to be seen at work in many mining districts. In France, at the Anzin and other mines, they are generally 30 ft. in diameter, but they can be produced to give as much air as could be desired at any place. We have seen them at work at several places, and the managers are unanimous in testifying to their value. In mines giving off a good deal of gas they are far preferable to the furnace, from the vast quantity of air that can be forced into all the workings, no matter how exten-

that can be forced into all the workings, no matter now extensive they may be.

The Schiele Fan, manufactured by the Union Engineering Company, of Manchester, of which Mr. PENMAN is the chief, is well known is a most excellent one, and, at the same time, a most economical one, seeing that there is no large and costly masons' work required, which is a most important consideration. In mines giving off a good deal of gas, or light to sudden outbursts, the Schiele has quired, which is a most important consideration. In mines giving off a good deal of gas, or liable to sudden outbursts, the Schiele has been found most effectual. We recently saw one at work at the Corton Wood Colliery, near Barnsley, and a more effective ventilator could not be desired. Some of the daily records show that from 140,000 to 150,000 cubic feet of air passed through the mine daily. The value of the fan was shown on the occasion of a sudden outburst of gas which took place in the dip slants. The volume of wind passing through at the time was not less than 220,000 cubic feet or minute the fan being nut to a year, high velocity. Although per minute, the fan being put to a very high velocity. Although the atmosphere was highly impregnated with gas, and all the lamps put out, yet no one was injured. The workpeople made to the main engine slant, and worked their way to the pit edge against the fresh air, so that no casualty occurred. That such a vast quantity of air as that named can be sent through the workings of a mine shows the value of the fan stronger than any eulogy of ours can do. fans are also made for temporary purposes, and we recollect in one instance that one was lent by a mineowner on the occasion of a serious and fatal explosion. The importance of mechanical ventilation we believe will be more fully acknowledged than it has yet been and it is for that purpose that we have drawn attention to the subject.

MUTUAL INSURANCE OF MINERS.

MUTUAL INSURANCE OF MINERS.

The proposals made by mineowners in several districts to make contracts against the provisions of the Employers' Liability Act have not been so far successful, and it is not unlikely that an understanding on the subject will be come to by most of the mining associations. The principle of insurance, to which the employers should subscribe as well as the men, has everything to recommend it, as it would it sure compensation for injuries, and at the same time avoid litigation, so carrying out the spirit and intention of the Act. But the miners' leaders, in several of the largest and most important districts, are opposing the proposal with the greatest energy. It would appear that the leaders do not like the idea of the employers being connected in any way with their funds. By keeping their money as at present they will have a larger sum than previously with which to fight the mine owners, and to support those who may be on strike. In the case of a serious accident, involving loss of life, it is presumed by the leaders that the masters will be found liable, so that no money by the leaders that the masters will be found liable, so that no money will be taken from the funds for the support of injured persons or widows and children. Those associations, like that of Durham, having a large accumulated fund, it is evident, will not contract naving a large accumulated fund, it is evident, will not contract themselves out of the Act even on the very liberal terms proposed; whilst in some few districts, where combination is not strong, or where there is no association, they may agree to the mutual assurance principle, but these will, in all probability, first see what is done in the great centres where unionism is strong.

Mr. Macdonald, M.P., has already cautioned the Scotch miners to have nothing to do with proposals which might be made to induce them to contract themselves out of what he terms the advantages of

m to contract themselves out of what he terms the advanta the Employers' Liability Act, and there is no reason to suppose otherwise than that his advice will be adopted by those who have hitherto carried out his behests as becomes those who have installed him as their leader. Circulars have also been issued to the miners of the United Kingdom signed by Mr. Macdonald, M.P., Mr. Burr, M.P., and the executive of the Miners' National Association, dealing with the Liability Bill, and, whilst strongly approving of it in every part, the workmen are advised not to contract themselves out of the Act by matual insurance. Mr. Crawford, of Durham, the chief of the most prosperous association in the kingdom, has also issued a circular in correction to the rejective of insurance. It is therefore cular in opposition to the principle of insurance. It is, therefore apparent that the opposition to the proposal for insurance is not only strong at present, but is likely to grow in intensity, and that in those districts where the scheme has met with something approaching to approval the men may ultimately be induced to follow the course marked out by the leading men amongst the mining body. In South Wales some of the men have shown an inclination to meet their employers by consenting to insurance, but at present not much reliance can be placed on them, for it is not so long since they declined to form a permanent benefit fund for the relief of miners suffering from injuries or sickness. The Marquis of BUTE has offered to subscribe 2007.

a-year for five years towards the proposed South Wales insurance fund, but it is questionable whether the men will come to an agreement after having read and digested the circular issued by the executive of the Miners National Association. In the West Riding of efit mining fund, in on of insurance has not as yet been brought formally before the men. We have it, however, on the authority of Mr. Firru, the Secretary of the South Yorkshire Miners' Association, that the mutual insurance scheme would not be accepted. The miners of Lancashire and Cheshire appear to be rather in favour of the proposal of the employers, and Mr. W. PICKARD, one of the agents, at a meeting a few days since advised the colliers, instead of flinging away their money in litigation, to support a proposal that the masters should make a larger con tribution to the permanent fund, so as to meet claims contemplated by the Employers' Liability Act. But it is not unlikely that the men will be considerably influenced by the circular of the National

At the meeting alluded to an important statement was made by Mr. PICKARD. He said that the Solicitor-General had informed him that the masters, under the new Act, could not be held responsible for the act of a contractor, and therefore a drawer who was injured at his work would have to sue the collier and not the owner of the mine. If this is correct, and there is no room for doubting it, a great remonsibility will be taken off the shoulders of mineowners. coal mines the getter, or collier, engages his hurrier, paying him daily wages. It will also show to those employers whose men refuse to adopt the principle of mutual insurance a mode by which they can of Prof. Noble will, no doubt, be far more exhaustive and valuable contract themselves out of the provisions of the Act. They could let However, as we stated at the outset of this notice, there was a most

owners in several districts accepted, and that in a kindly spirit

#### CANADIAN PACIFIC RAILWAY.

Attention is now more than ever directed to the Canadian Pacific Railway. For many years this great undertaking has been a kind of counter in the hands of Canadian politicians, and has been used by them in the game of Canadian politics. At last the matter appears to have been taken in hand in something like sober earnest. Canadian capitalists, English capitalists, and French capitalists are all clubbing their resources, and bringing their energies to bear uncountered. dian capitainsts, English capitalists, and French capitalists are all clubbing their resources, and bringing their energies to bear upon the completion of the long desired line. There is nothing unreason, able after all in this. Money is becoming so cheap in England that we really ought to be thankful to Sir John A. MACDONALD for distributions of the property of the great Capadian and the state of the sta we really ought to be thankful to Sir John A. Macdonald for diverting some of our spare cash into this great Canadian scheme, as well as to M. FERDINAND DE LESSEPS for beguiling us to embar in another monster canal. Canada, too, is after all a child of France, and it is but natural that French capitalists should take an interest in New France, and should be willing, at any rate, to embark mose in this great Canadian railway scheme, more especially if they can get a good swinging in return upon their investment. It is certainly again not surprising to find Canadian capitalists willing to help forward an important Canadian work.

ward an important Canadian work.

Some of the politicians and financiers who are pushing forward this vast Canadian railway scheme affect to believe that it will create new Canada. There can be no doubt that the Canadian Pacif a new Canada. There can be no doubt that the Canadian Pacific Railway will be a powerful means of opening out the immense North West. If anything can assist the colonisation and settlement of the enormous region it must be the Canadian Pacific Railway. We are told to expect great things of Manitoba and the North-West, and certainly, so far as space is concerned, this region can accommodal a population of several hundred millions; but the serious question is be determined is whether the North-West is exempt from the climatic bedetermined is whether the North-West is exempt from the climatic particles which have bithere certainly proved a serious expection. difficulties which have hitherto certainly proved a serious stumblin block in the way of the general development of Canada. We told that climatic apprehensions with regard to the North-West ha been greatly exaggerated; in fact, if we are to believe all was and hear on the subject the North-West is a kind of paradise, which only requires the Canadian Pacific Railway to become the home of countless millions. We can only trust that the hopes which has been conceived with regard to the North-West may be, at any magnetically realised. If the Canadian Pacific Railway really develop a new Canada so much the better.

a new Canada so much the better.

The Canadian Government, at any rate, appears to have faith in the Canadian Pacific scheme. It has already expended about \$30,000,000 in surveys and works, and it is ready to give the parties who are disposed to take the affair in hand the benefit of all this outlay. It will further give them a cash subsidy of \$25,000,000, and a land gnat of \$25,000,000 acres. It is believed that this land will realise at least \$2 per acre, so that the whole assistance which the Canadian Government is prepared to extend in aid of the project is \$10,000,000. least \$2 per acre, so that the whole assistance which the Canalia Government is prepared to extend in aid of the project is \$105,060,060 It is proposed that the line should be completed in ten years from Lake Nipissing, its eastern terminus, to Buzzard Inlet, on the Padis Coast. It is hoped that what is termed the prairie section, extending from Manitoba to the Rocky Mountains, will be ready for traffic by 1884. Altogether there is certainly more life and vigour along the Canalian Pacific at the present time than at any previous period in its hitherto somewhat disappointing history. The British in in its hitherto somewhat disappointing history. The British in trade can but regard the Canadian Pacific with attentive inters and it ought to afford it a proficable outlay for some of the ai which it can now produce in such large quantities. We trust the harmonious relations between masters and men will during the ne four or five years enable our ironmasters to deliver English rais: Canadian ports upon terms which will secure them a ready marke

### COAL DUST AND COLLIERY EXPLOSIONS.

Seeing that we have on several occasions directed attention to Seeing that we have on several occasions directed attention dust in connection with colliery explosions—a subject which a to have been either overlooked or considered to be too delicate to be touched by writers on mining subjects, we are glad that its importance has been recognised by the Home Sectar who has appointed Prof. Abel to conduct a series of analyses a periments with respect to coal dust, or other dust, in Scalar liery. We showed, however, that the investigations of Prof. 2 had not hear confined to the dust found in the working of the confined to the dust found in the working of the confined to the dust found in the working of the confined to the dust found in the working of the confined to the dust found in the working of the confined to the dust found in the working of the confined to the dust found in the working of the confined to the dust found in the confined to the dust found in the confined to t seeing that it cannot well move about or rise to any distance on the other hand; in a wey mine the dust from some other mines Mines, it may be said, vary a good deal; some are dry, and o wet that the workmen have to work where there is a great water. Now, in a wet mine the dust must be perfectly he seeing that it cannot well move about or rise to any distance on the other hand; in a dry pit the dust can not only imp ventilation but may lead to an explosion as it gathers round! ventilation but may lead to an explosion as it gathers round side of the lamp. Therefore, what is required are experim quite dry dust, such as is to be met with not only on the floor out floating in the air-ways. The points laid down for the gof Prof. Noble are of great interest, but one item of great ance appears to have been overlooked, and to which we waster draw attention. Taking the points seriatum we find the manual seriatum with a seriatum with the seria emains or product of dust which itself has been exp (with or without fire-damp) whilst suspended in the air?
appears to be somewhat abstruse, and not so clear as consider. From those who have had considerable experience. ions of the greatest magnitude known we are informed that t can be ignited by the explosive gas, and that it will burn wh pended in the air on the application of a naked light. This easily shown by throwing some fine coal dust on to some coal, even a candle, when it will burn just like so much powder. I manager of the Oaks Colliery, who has been connected with neal all the great colliery explosions that have taken place in South Yor shire, states that all the fires he had seen in a pit after an explosion that the place had been caused by the dust.—B. As to how far the presence of such dust suspended in the air or lying stream upon the ground or timbers in an explosion and the presence of such dust suspended in the air or lying stream upon the presence of such dust suspended in the air or lying stream upon the supplementation of the presence of such dust suspended in the air or lying stream upon the presence of such dust suspended in the air or lying stream upon the supplementation. round or timbers in an enclosed gallery intensifies an ex fire-damp or extends the area of the effects of such an explohow far such coal dust in suspense in the air is capable of mice explosion by a shot, or by passing through a ventilating furnity. out the presence of gas, and what are the effects of a shot gallery (such as the air-ways of a colliery) in causing the distance and suspension in the air of such coal dust lying on the floor

timbers of a gallery.

We have it on good authority that coal dust is carried alor the life-destroying vapour of an explosion, and so intensifies its that men have been suffocated by it. On the firing of a shedry and dusty mine it has been found to ignite and burn in the property of the course the conversion caused by manner as guipowder. Of course the concussion caused by lamp or lamps, the flame from which may be drawn through set it on fire. As a matter of course a shot in a dry means the dust to rise and continue in suspension for a short of the drawn of the drawn of the short o The dust in passing though a ventilating furnace ported upon by any of our mining engineers that we are but it is not likely that the dust has done any damage u circumstances. We have referred to the appointment of NOBLE, and what he has been commissioned to investigate quence of having ourselves taken up the points on more occasion, and the importance of which, in our opinion, overlooked by our mining engineers. Mr. Morrison, of N in connection with another gentlemen, made some experiments coal dust, whilst Mr. WILSON, of the Oaks Colliery, has also a good deal of attention to the subject. But the exhaustive and of Prof. Noble will, no doubt, be far more exhaustive and value. portant poin whether it was ne or working en the explo-acussion of a rough the lar is we consider e compl Prof. NoBL n for him, lts that wil dattention

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Mining Jour d Drill Con rovement, w ws given by would tend to preven ace, and preven the of the mos sument. The bounted upon t aft by the hoi amner, shafts a time that the store of air coo ake; they ha any of the La at improvement and the built by the shaps the larginders, one process. it. The

tant point omitted by the Home Secretary or its advisers, it always that a safety-lamp in a very dry and dustry portant point omitted by the Home Secretary or its advisers, it was likely that a safety-lamp in a very dry and dusty heber it was likely that a safety-lamp in a very dry and dusty he or working place could be so surrounded with coal dust that so the explosion following the firing of a shot took place, or a sussion of air caused by a heavy fall for the flame to be drawn suggested by a heavy fall for the flame to be drawn so the lamp exploding the dust on the external portion of it. I would have made the investigations and experiments is we consider would have made the investigations and experiments in the complete than they will otherwise be. But in all probabilized of the complete than they will otherwise be. But in all probabilized of the complete than they will otherwise be. But in all probabilized of the complete than they will otherwise be. But in all probabilized of the complete than they will otherwise be. But in all probabilized of the complete than they will otherwise be. But in all probabilized of the complete than they will otherwise be.

### SANDERSON AND COMPANY (LIMITED).

in influential company with a capital of 10,000*l*., in shares of 5*l*.

the has been formed to acquire and develope the business at present and on at the Faraday Steamworks, Huddersfield, and Essextitle on at the firm of Sanderson and Company, as electric greers, lightning conductor manufacturers, makers and fitters of the bells, telephones, brass founders, and medieval metal workers, which bells, telephones, brass founders, and medieval metal workers, and reserves of all other electrical and programming applications. tric bells, terphotes, the state of all other electrical and pneumatic appliances, manufactures of all other electrical and pneumatic appliances, all the good-will, fixtures, fittings, stock-in-trade, book debts, shipery, plant, materials, and other interest, with all existing considery, plant, materials, and other interest, with all existing conmery, plant, materials, and other interest, with all existing con-and liabilities in any way belonging or appertaining thereto. usiness has been established upwards of 25 years, and for the four years has been successfully carried on by Mr. Solomon for years has been successfully carried on by Mr. Solomon to conjunction with Mr. W. F. Gillham, until the decease rson in conjunction with Mr. W. F. Gillham, until the decease former gentleman in June last, when the business was left enin the hands of Mr. W. F. Gillham, the vendor, who has since dit on with the assistance of Mr. W. A. Sanderson and Mr. W. Mry. Further capital being required for enlarged premises, as extensions, improvements, and additions to the plant and mery for efficiently carrying out numerous large contracts on with different firms and corporations, and in order to meet the gedemands of the district it has been determined to convert destraining into a joint-stock company. The contracts at recoverage of the state ing demands of the district it has been determined to convert indertaking into a joint-stock company. The contracts at prename and will yield extensive profits during the next 12 months, by judicious and economical working the directors hope to have cessful career in the future, and to be able to compete equally other telegraph companies that have been paying large dividends, late firm has within the past few years executed and successcarried out extensive contracts with upwards of 20 municipal actions in England and Wales, also contracts for the British extensive for the British extensive contracts. armed out exceeds a strong and Wales; also contracts for the British ament, the Italian Government, and the Government of sey, in addition to contracts for a large number of railway, sey, in addition to contracts for a large number of railway, and other companies, and numerous school boards, and the page expressed with regard to their patent solid copper tape sing conductor are highly favourable. Dr. R. J. Mann, late lent of the Meteorological Society, writes that he likes the fit tape for the construction of lightning rods very much. He sit is preferable to the copper rope because it is compressed in page 50 folling instead of being strained as wire strands are solven in the manufacture of rope, and is, therefore, of more compand condensed texture, and stronger. It possesses, at the same the flexibility and ready adaptability of rope, and can be rolled importance. It is obviously an efficient conductor when of suffidimensions for the particular work of protection that it is red to perform, and lends itself very readily to the efficient contion of air terminals and earth contacts. of air terminals and earth contacts.

m of air terminair and earth contacts, nicro-telephone invented by one of the directors is also likely a agreat commercial success. A practical trial was made be-he telegraph offices in the York and Darlington Railway sta-(a distance of about '45 miles) with very successful results. ials were of a practical and crucial character; conversation was do no for nearly an hour between the two stations. Songs were at York which were distinctly heard all over the office at Darand songs sung at Darlington were heard distinctly by the officials at the York office. The numerals from 1 to 30 and ers of the alphabet were distinctly transmitted from one office ers of the alphabet were distinctly transmitted from one omce ther; and an ordinary railway message in cypher, announc-dispatch of several goods trains, was spoken by the clerk in at Darlington to the clerk in charge at York, and correctly l, and recorded as the first telephone message of the kind ever tted between these towns. The wire used was one of the yones on the poles alongside the railway, and the induction eneighbouring wires was at times very powerful, but the elephone succeeded in transmitting the recognisable tones rest value through it all. The company's propagate, will be nt voices through it all. The company's prospectus will be

HE HULL, BARNSLEY, AND WEST RIDING RAILWAY AND DOCK PANY.—It was yesterday (Wednesday) announced by Mr. C. H. 800, M.P. for Hull, and head of the eminent shipping firm of mas Wilson, Sons, and Co., that he had become a director of the Barsley, and West Riding Railway and Dock, which he spoke is throughly sound and necessary undertaking, in which people Mid well to invest. The prospectus will come out on Monday to the capital, 3,000,000l., in 10l. shares, about half, includ-00,000 taken by the Hull Corporation, is already placed.

ASA MURRHINA GLASS COMPANY.—The prospectus has been eld fithis undertaking, which, with a capital of 150,000%. in 1%. The formed to purchase the patents of Mons. P. R. F. D'Humy, arry out, under his personal superintendence, the manufacture latticles in glass, porcelain, pottery, or other materials of a simi-description. After a lapse of 2000 years, the re-discovery by a D'Humy of the ancient art of manufacturing murrhina glass, wn to the Parthians and Egyptians—that is, the fusion and in-tion of gold, silver, and other precious metals in glass, thereby ing it imperishable—is, the prospectus states, considered by sseurs one of the greatest discoveries of the age..

HT AND VENTILATION. -Two of the most important subjects we engaged the attention of mining engineers are the efficient on and lighting of the workings under their control. In trade and the past these subjects have not met with the impornsideration which they demand; but we learn that prominence given to inventions bearing upon these topics at the forth-fathicity of Heating, Lighting, and Ventilating Appliances will be held at the Alexandra Palace from Dec. 22 to Jan. 11. chibition will be held in the Great Central Transept and ad-halls, and certificates will be awarded under the adjudication petent authorities. The intended Exhibition promises to be and specially attractive to the classes whose interests we regeneral public, as the display will include the heat, and ventilation to domestic purposes. as also to the light, reference to the prospectus will be published next week.

ROCK DRILL.—Reference has several times been made in hing Journal to the Rand Rock Drill, and it appears that the brill Company, who have it in hand, have introduced a fresh wement, which brings it still nearer perfection. The rapid wement, which brings it still nearer perfection. The rapid servement, which brings it still nearer perfection. The rapid serven by the drills upon the solid rock cause great vibration; would tend to loosen the bar by turning the jack-screw in the to prevent this a lock-nut is used, which keeps the screw in and prevents any loosening of the bar after it is once set upof the most valuable features of this invention is its ready adment. The arms can be folded parallel to the bar, with the drills need upon them, and the whole plant lowered to its place in the by the hoisting rope. By the use of rock drills mounted in this the hoisting rope. By the use of rock drills mounted in this shafts may be sunk at half the cost and in one quarter of ethat they can be put down by hand labour. In the manufation of six or the state of air compressors this company have been eminently success-tof the large air compressors on the Comstock being of their they have also erected large and powerful compressors for the Lake Superior iron and copper companies, which are a improvement on those of the Comstock. The air compressing built by them for the Calumet and Hecla Copper Company is pathelargest in the world; consists of two pair of compressing lets, one sair being better.

the Calumet branch; both are driven by Leavett's compressed engines, which also do the hoisting, run the main engines, the pumps and the machinery in the rock houses. The improved arrangement will be generally appreciated by practical miners.

### THE LEADVILLE MINING DISTRICT.—SUCCESSFUL ENTERPRISE.

The enormous mineral wealth of the Leadville district of Colorado has frequently been referred to in the Mining Journal, so that it is not surprising that a company possessing facilities for smelting should find an abundance of profitable employment. The success achieved by the La Plata Mining and Smelting Company proves not only that there is plenty of business, but that it yields a good profit. Before mentioning the company itself it may not be uninteresting to only that there is plenty of business, but that it yields a good profit. Before mentioning the company itself it may not be uninteresting to notice the mine from which the company takes its name—La Plata—inasmuch as the fact that it is at present producing from 30 to 32 tons of mineral per day affords ample proof that there will always be a good backbone of support, apart from the custom ore with which the smelting works will have to deal. The La Plata tunnel is now 700 ft. in length, and its face is in porphyry. Several cross-cuts extend to the east from the tunnel. In this portion of the mine a large amount of ore has been developed. An ore body 18 ft. in thickness is here exposed. A drift has been started west from these lower workings to connect with the Rustin shaft. The entire face of this drift is in ore, as well as at the top and bottom. At present of this drift is in ore, as well as at the top and bottom. At present the ore is taken to the foot of the winze, raised by a windlass, and then carried out in cars through the tunnel. At a depth of 42 ft., and from the drift running west and south, follows a large ore body for several hundred feet to the west and south. None of this ore has been taken out except that from the main drifts and a few prospecting cross-cuts, driven to demonstrate the extent of the ore body. These workings connect with the Rustin shaft, at a depth of

ore body. These workings connect with the Rustin shaft, at a depth of 165 ft., or some 70 ft. below the level of the tunnel.

The shaft continues down for 37 ft. more. A vein of ore is here also found, upon which a drift has been run a few feet south and some 20 ft. to the east. Every attention has been paid to the laying out of the mine, so that it may be easily and quickly worked. In the main working shaft—the Rustin—the ore is only to be raised to the level of the tunnel, and then conveyed to the ore bins at its mouth. The drift running from the cest workings will convey all one mouth. The drift running from the east workings will convey all ore mined in that portion of the shaft. The drifts from the bottom of the Rustin will be beneath the ore bodies now discovered and ore shutes can easily be built to connect with drifts below, and so allow the handling of all ores down hill to the shaft. The engine is being provided to hoist to the tunnel level. When this work is completed there will be ne difficulty whatever in breaking and shipping from 75 to 100 tons per day, or more if required. As the further the property is worked into the hill the better becomes the quality of the ore, and the more extensive the ore bodies, the extent of the ore existing in the mines seems almost incalculable.

With regard to the quality of the ore, it appears to be all that can be desired; it is described as being of high grade in lead, running from 20 to 60 per cent.—a fair average of regular product is 35 per cent. The silver runs from 12 to 40 ozs., and averages about 20 ozs. The ore just as it comes from the mine is worth net about \$25 per ton on an average. The grade of ore is also improving, so it can be readily seen that from the wonderful bulk of ore developed, and from the fact that its uniform returns give such good results, that in the mines of this company is a bonanza, and the September product —\$236,716—seems to confirm this view. But for the moment the —8236,716—seems to confirm this view. But for the moment the company's great, or principal, source of profit is the smelting business, which was, indeed, one of the chief objects originally in view. The La Plata Mining and Smelting Company, established in June, 1879, was formed to take over the business of Messrs. Wetherall, Burdell, and Co., public smelters, of Leadville, Colorado. It paid, on Oct. I, 1879, its first monthly dividend of \$15,000, or at the rate of 9 per cent. per annum. This rate has been fully maintained since; and Mr. Francis Andrews, of Great Winchester-street, the London registers of the convent of the conve London registrar of the company, now forwards the usual semi-official intimation to the effect that "the board of directors of the La Plata Mining and Smelting Company announce the fifteenth consecutive monthly dividend of \$15,000 out of the profits for the

month of October, being at the rate of 9 per cent. per annum."

The company, which is under the controll of a well constituted board of direction—including, in addition to Messrs. Wetherall and Burdell, the original proprietors, the Vice-President of the New York Stock Exchange, Mr. Charles Mason Stead, of the firm of Allen and Stead, stock-brokers, of Broadway, New York—appears to be managed with great energy and judgment, for in addition to paying the handwith great energy and judgment, for in addition to paying the handsome dividends mentioned, they have increased the capacity of their
smelting works from 55 tons to 120 tons per day, and this out of
profits and without trenching on the working capital of \$100,000.
Moreover, they have accumulated a reserve fund of upwards of
\$50,000. The company are already quoted on the New York Stock
Exchange, and have applied to the London Stock Exchange for a
quotation here also. The shares are \$10, or 2l. each, full paid up,
and are quoted here 1l. 7s. 6d. to 1l. 10s. per share, at which price,
according to the dividend declared, they show upwards of 12 per
cent. to a buyer. The company are stated to have thus far carned
their dividends solely by acting as public smelters, while they were
developing their mines, but from what has already been said with developing their mines, but from what has already been said with regard to the nature of the mineral deposits in the company's pro-perty, and the steps taken to develope them, it will be readily understood that as soon as the preliminary operations are completed the mines will add considerably to the already large profits.

### DEVON GREAT CONSOLS.

The shareholders may well be congratulated on the position and prospects of their enterprise, indicated by the declaration of another dividend of 6s. per share, announced at the meeting on Wednesday, of which a full report will be found in another column. This state of affairs is the more gratifying when it is considered how nearly the concern had approached bankruptcy and dissolution when Mr. Peter Watson assumed the management and chief control, and how much has had to be expended in bringing about the very satisfactory change which has been produced. Comparing the present appearance of the mines with their condition 18 months since the contrast is striking—great discoveries are being made the average produce of striking—great discoveries are being made, the average produce of the copper ore sent to market is increasing (and it must be recollected that increase of produce represents so much additional profit), and large quantities of arsenic are raised and sold at a good price The 6s. dividend declared on Wednesday completes the 160 per cent. per annum on the par value of the shares, and, as the Chairman stated, gives a bona fide 10 per cent. per annum in hard cash, even to purchasers at 16l. per share, which it appears is but half the amount at which they were marketable when the concern was similarly prosperous, and when the prospects were certainly no better. sperous, and when the prospects were certainly no better.

Referring to the large and necessary outlay for the erection of additional machinery at the Watson's part of the mine, it was mentioned that they had forked the main shaft, which was full of water, and that it was now cleared and timbered, and they were in full swing at the 70 level, and that everything was now in excellent condition. As to the finances, nothing could be more satisfactory than the fact that the half-year's accounts show that after the paythan the fact that the half-year's accounts show that after the payment of the 152nd and 153rd dividends in the six months, and the payment of the several amounts mentioned in the accounts, amounting to about 1140*L*, there is the satisfactory sum of cash and bills receivable in hand of 7014*L* 6s. 4d., as against a credit balance of only 2880*L* 0s. 2d. in the corresponding half-year of 1879, and 1661*L* 2s. 6d. in 1878. All would doubtless consider that exceedingly satisfactory. In the last half-year's accounts was stated the ingly satisfactory. In the last nair-years accounts was stated the heavy outlay incurred in rock-boring machinery, &c., and the board now point with satisfaction to greater expedition in driving the levels, as mentioned in Capt. Isaac Richards, very full and encouraging report. There is a further outlay to be made here, and the approvement on those of the Comstock. The air compressing chairman desired to put it fairly, as he did two years ago or over, built by them for the Calumet and Hecla Copper Company is when he stated that it would be much better to forego a dividend or two, or even three dividends, and to erect proper boring machinery to two, or even three dividends, and to erect proper boring machinery to the stated that it would be much better to forego a dividend or two, or even three dividends, and to erect proper boring machinery to two, or even three dividends, and to erect proper boring machinery to the stated that it would be much better to forego a dividend or two, or even three dividends, and to erect proper boring machinery to two, or even three dividends, and to erect proper boring machinery to the stated that it would be much better to forego a dividend or two, or even three dividends, and to erect proper boring machinery to business arrangements for a continuous supply of chrome ore, if an eres, one pair being placed at the Hecla branch, the other at

that because he felt it to be in their interests, and considering the welfare of the company. But notwithstanding this expenditure and this large amount of work paid very handsome dividends.

The rock boring and other modern appliances introduced have proved highly successful, but the executive appear thoroughly to understand where the economy of machine mining begins and ends, and have thus wisely determined not to substitute rock breaking machinery for the hand labour now employed. Were the advantages and have thus wisely determined not to substitute rock breaking machinery for the hand labour now employed. Were the advantages merely equal in a commercial point of view, it would be undesirable to deprive of employment the numerous boys and girls who now earn their livelihood on the dressing floors, but as a matter of fact the circumstance that the rock-breaker would pulverise the ore at one-twelfth the price of hand labour proves nothing, because the boys and girls exercise ability and judgment in separating the minerals, which would be impossible with a machine, and the Devon Great Consols ore being of low produce, the inevitable result would be that instead of obtaining 5000 or 6000 tons of ore, worth 13,000/, in the six months with the labour of the boys and girls they would with the machine crush 50,000 tons in six months, the whole of which, however, would be such an inseparable mixture of ore and attle that it ever, would be such an inseparable mixture of ore and attle that it would be totally worthless. As to the suggestion to abolish the Cornish Ticketings altogether, and sell all Devon and Cornish ores at Swansea, where there is more competition and prices as a rule are higher, it is well worthy of consideration, and may be hereafter discussed. All these and the many other matters referred to at the meeting naturally satisfied the meeting that the executive were doing their utmost for the shareholders, and doing their work well, so that it is not surprising that the energetic Chairman and managing director—Mr. Peter Watson—and his colleagues, as well as the agents and workmen at the mines, were accorded a hearty and unanimous vote of thanks for what they have done.

The Devon Great United Company, being under the same managerener, and the shares being held to a great extent in the same hands, it may not be out of place to refer to the meeting of its shareholders, fully reported in another column, which immediately followed that of the older company. The Chairman—Lord Claud Hamilton—in moving the reception of the report, expressed the wish that those who, like him, had had the pleasure, as he had, of visiting the mine some short time since, and he hoped they were as much gratified as he was on seeing the property and seeing what a hopeful undertake some short time since, and he noped they were as much grathed as he was on seeing the property, and seeing what a hopeful undertaking they had taken in hand. Everything which had happened since the date of that visit had been of a satisfactory nature. The progress of the works had been as rapid, if not more so, than was anticipated. The machinery was working exceedingly well, the reservoir was fulfilling the object for which it was formed, and the pumping process was producing all the results which were anticipated. Therefore the directors were highly satisfied with the progress made. The meathe directors were highly satisfied with the progress made. The managing director—Mr. Peter Watson—also expressed himself well satisfied with the prospects of the concern, and Mr. Moses Bawden, the purser, explained the bearing of the lodes in relation to those of Devon Great Consols. He had never seen so much work done in so little time as at Devon Great United. He was sure the outlay for bringing in the water from the Tamar would repay for the outlay fiftyfold, for the water coming from the mine was so impregnated with copper that all the works and the boilers would have had to undergo a thorough repair every three years. There would be enough water for dressing purposes. It had been stated in the Mining Journal that the great cross-course in Devon Consols cut off the Devon Consols lodes going west. Now this was a great mistake. The first discovery of ore in Devon Consols was made 70 to 80 fathoms near the United than the cross-course. The Devon Great Consols lode as it got near Devon Great United split, but not on account of the cross-course, but on account of a little rising in the ground called Capel Tor. The meeting appeared well satisfied with what had been done, and fully confident of the future of the enterprise.

### RUSSIA COPPER COMPANY.

The report of the liquidator and committee of share and debenture holders, prepared for presentation at the meeting to be held on Dec. 9, has been issued, accompanied by the full details of the scheme for the reconstruction of the company. The company's indebtedness is—Debenture-holders, 81,486L; Russian mortgages, 30,000L; sundry creditors, 28,907L 13s. 4d.=140,375L 13s. 4d. On the other side of the account the company have stocks on hand, 64,344.4 s. 5d.; sundry debtors, 14,870ℓ. 9s. 11d., and cash in Russia (there is none in England), 8128ℓ. 18s. 11d. The total loss to June 30 was 60,363ℓ., and the loss on the 12 months' working to that date was 1923ℓ. 12s. 7d. The capital expended for purchase-money, buildings, &c., has been 280,836ℓ. 18s. 9d., and the movable plant is valued at 8206ℓ. The report states that the liquidator and committee are of conjugon that the port states that the liquidator and committee are of opinion that the time has now arrived when, in the interests alike of shareholders and debenture-holders, the company should be reconstructed, and with this object the present position and prospects of the company have been most carefully considered by them. It is now a favourable time for paying off the mortgages in Russia, which are a first charge on the company's estates. These mortgages in the accounts stand at 30,000,, and at the present rate of Russian exchange a sum of about 25,000%, and at the present rate of ransian exeninge a sum of about 25,000% would be sufficient for the purpose. The annual charge on the profits for interest on these mortgages is about 2400%, and the paying of them off would increase by that amount the annual profits available for division. The liquidator and committee consider it most essential that in any reconstruction of the company these mortgages should be paid off, and to do this the money would have to be found by the shareholders. found by the shareholders.

the manner in which the funds are to be raised, it is explained that it would be necessary to ask the debenture-holders to allow the whole amount of principal and interest due to them of allow the whole amount of principal and interest due to them of 81,468*l*. toremain unpaid for five or six years. The proceeds of any portions of the company's freehold properties whenever realised to be applied *pro rata* in repayment of the debentures. The company to have power to pay off the debentures at any time at par. In order to provide for contingencies, and for working capital for any extensions of the business, powers should be taken to borrow further amounts, not exceeding in the whole 20,000. With regard to the present share capital of the company, the liquidator and committee consider the best proposal would be to create, in lieu of the present 29,890 shares of 10. each, an equivalent number of shares of 7. each, with 5. per share credited as paid up thereon, leaving a liability of 21 per share. of the catch, with the person leaving a liability of 21, per share. Of this liability only 20s. per share to be called up in the meantime—
10s. per share to be paid on allotment, and 10s. per share to be called up as required for paying off the Russian mortgages, but no part of it earlier than three months from the date of the confirmation of the re-

onstruction scheme by the Court.

The liquidator and committee being of opinion that it was necess before bringing the question holders in any form to ascertain the views of the debenture-holders, the liquidator has, by informal meetings with the largest holders of the debentures and otherwise, ascertained the views of the holders of more than three-fourths of the whole debenture debt. scheme of reconstruction sent with this report, and which will be submitted to the meeting for consideration, is the result of these meetings and negociations, and contains the utmost concession to the shareholders which the debenture-holders will make.

New Zealand Chrome.—Messrs. Irvine and Tatton, of Nelson, New Zealand (July 17) write that the ore they are now raising has been assayed at the Government Geological Laboratory, and yields 64-80 per cent. of oxide of chromium, and has a specific gravity of 4-246 They add that understanding that the market price for chrome iron ore has advanced in Europe and America, in consequence of an increased demand for it, while the supply is limited, they are led to draw attention to the fact that the ore is to be found in large quantity in the neighbourhood of Nelson, and in particular that they under their control a large tract of country in which powerful lodes and reefs of chrome exist, the mineral being also equal inquality to any offered in the English market. They are in a position to enter into

To establish and conduct in all parts of the United Kingdom telephone exchanges, wherever a sufficient number of subscribers can be found who are willing to avail themselves of them. For domestic

which increased charge will be reduced whenever new exchanges are

opened at a diminished mileage distance.

To do all such things as are incidental or conducive to the attain-

Early application is necessary to secure allotment.

INDIAN GOLD MINES-THE MYSORE DISTRICT.

are held, the Ooregum shares being quoted 300 per cent. premium the Mysore, 150 to 175 per cent. premium; and the Madras Com-

eans for getting rid of the water beyond a depth of 12 fms.; thus

insurance, repudiating the forfeiture. The learned Judge the forfeiture void, but, of course, ordered the payment of call due in order to be allowed to participate in the assets.

GUNPOWDER MANUFACTURE.—An improved press for the manufacture of prismatic gunpowder, in which the pistons serving to com

by Mr. Hermann Greson, or Buckan, Magdeourg. The two eccentrics of one pair which are of equal eccentricity, and whose angular position with regard to the shaft is the same, are connected by means of suitable rods to the pivots of a cross-head moving in vertical guides above a table provided with moulds. The eccentrics constituting the

The learned Judge declared

pany, 50 per cent. premium

# Sanderson and Company,

Incorporated under the Companies Acts, 1862, 1867, 1877, and 1879

CAPITAL £10,000, IN 2000 SHARES OF £5 EACH.

Of which the remaining 1560 shares are offered to the public for subscription at par, payable £1 on application, £2 on allotment. Further calls will not exceed £1 per share, at intervals of not less than three months. The full amount of shares may be paid up on allotment, if desired. Interest at Five per Cent. will be allowed on all payments in advance of calls. Where no allotment is made the deposit will be returned in full.

DIRECTORS.

WILLIAM D. BERRY, Esq., Huddersfield—MANAGING DIRECTOR.
WILLIAM F. GILLHAM, Esq., Rydes Hill, Guildford, Surrey.
The Rev. HENRY HUNNINGS, MA., Rothwell, Leeds.
HENRY MARRIOTT, Esq., Clara Street, Huddersfield.
WILLIAM ALEXANDER SANDERSON, Esq., Telegraph Engineer, Huddersfield.

BANKERS—THE HUDDERSFIELD BANKING COMPANY, HUDDERSFIELD.

SOLICITORS—LEAROYD AND CO., Buxton Road, Huddersfield.

SECRETARY (pro tem.)—FRED CARTER, 4, Cloth Hall Street, Huddersfield.

REGISTERED OFFICE AND WORKS—THE FARADAY STEAM WORKS, FIRTH STREET, HUDDERSFIELD.

LONDON OFFICES—NO. 44, ESSEX STREET, STRAND.

#### ABRIDGED PROSPECTUS.

ment of the above objects.

hand, and other assets.

This company has been formed for the purpose of acquiring the business at present carried on at the Faraday Steam Works, Firthbusiness at present carried on at the Faraday Steam Works, Firth-street, Huddersfield, and at No. 44, Essex-street, Strand, London, under the style of "Sanderson and Company," as electric engineers, lightning conductor manufacturers, makers and fitters of electric bells, telephones, brass founders, and mediaeval metal workers, and manufacturers of all other electrical and pneumatic appliances, and all the goodwill, fixtures, fittings, stock-in-trade, book debts, ma-chinery, plant, materials, and other interest, with all existing con-tracts and lighlificing in any way helecular or apprehening thereto.

connery, piant, materiais, and other interest, with all existing contracts and liabilities in any way belonging or appertaining thereto.

To do all things expedient for introducing and bringing into use electric force and power for producing light, to secure its adoption, and to manufacture, import, and supply all material necessary for the same, and for the manufacture of insulated wires and underground cables for general electric and telephonic purposes, as well as lightning conductors; and to acquire by eriginal application or otherwise any Letters Patent, rights, privileges, or monopolies for as ignining conductors; and to acquire by original application or otherwise any Letters Patent, rights, privileges, or monopolies for the sale, use, or manufacture of or otherwise relating to any telephone or telephonic apparatus, or apparatus connected with electric lighting, or electric or pneumatic bells, or lightning conductors, or any other invention, instrument, apparatus or material connected with the same.

To take contracts for the repairing, pointing, or building of chimney shafts, church spires, or other buildings, and to manufacture, purchase, or acquire the requisite materials for the same, or in any way connected with the things before mentioned, or with such

To bring within the reach of the public the use of the telephone in all the operations of Government, commerce, and daily domestic life, without the intervention of a third person

delivering the ore on the wharf at Nelson, but if required it could be consigned to purchasers at some British port.

### Original Correspondence.

### INDIAN GOLD MINES.

SIR,—As some portions of our auriferous land have recently been sold in the Wynaad district to separate companies, it will be interesting to shareholders in the early undertakings to calculate what resting to shareholders in the early undertakings to calculate what is likely to be the value of their property taking the recent sales as a basis. In making the following calculations I wish it to be distinctly understood that I do not do so in any carping spirit—on the contrary, my ideas of the value of auriferous land in the South Indian districts are, perhaps, in advance of anything that has yet been dreamt of. The following calculations will throw some light upon the subject:—If the land (50 acres) acquired by the Rhodes Reef Company for 130,000l. be worth that sum, as no doubtitis, what is the value of the 3000 acres held by the Indian Glenrock Company?—Answer: No less than 7,800,000l., equal to 78l. per share.

It seems to have been forgotten that one of the reefs in the Glenrock estate is more than a mile in length, whereas Rhodes Reef is

It seems to have been forgotten that one of the reefs in the Glenrock estate is more than a mile in length, whereas Rhodes Reef is believed to be about 25 chains only. I do not suggest that Rhodes Reef is not very valuable, but that assuming it to be so the Glenrock reefs must be 60 times as valuable. If the directors of the Glenrock and South Indian companies will sell their property in plots of 30 acres (the area suggested by Mr. Brough Smyth as sufficient for any company to work), the shareholders of both undertakings would shortly be able to pension off the board, and the balance would, when divided, be a very handsome fortune to—

A LARGE HOLDER AND FIRM BELIEVER IN INDIAN GOLD MINES.

P.S.—It is only fair to state that the South Indian Gold Mine is the first to prove the value of its property at depth, one of the reefs having been tested 30 ft. below the outcrop showing visible gold. The machinery ought to be delivered at the mine before the close of the year, and I am confident when in full work the result will be something extraordinary.

something extraordinary.

### FLAGSTAFF MINING COMPANY.

SIR,—I beg to call your attention to the incorrectness of the information on which you based your editorial remarks last Saturday. It cannot appear from Mr. McCormick's telegrams that Mr. Vincent has been appointed in my place here to negociate the sale of the mines, because the fact is that the property has been sold at Utah by my principals themselves to Mr. Vincent at the price of 27,500l. I need scarcely say that the contract is made with Mr. Vincent as the nominee of the parties, who have there paid the deposit, and who are granted by the contract a limited time within which to complete the purchase.

I hope the transaction may be duly completed, and that the American Mining Company may have no further occasion for my services. In the event of the sale falling through I have no doubt the negociation for a sale in this country will again be placed in my hands, as I hold very many proofs of the unabated confidence of the vendors. On the terms and conditions of the proposed new company—as made known to me—I make no comment. I am not converted with it. As trustee of the debenture-holders I shall on their account be watchful.—Great Winchester-street.

### WEST GODOLPHIN MINE.

Journal presents an account so at variance with the actual state of the mine that I consider it my duty, as the chairman of the late company, to publish full particulars of the real position of the property at the time of its abandonment, in order to protect the public, who, relying upon the accuracy of the published statement, might be investing in the shares; and unless I am assured that the erroneous statement to which I object will be immediately withdraws. I will forward now a further companying the published statement to which I object will be immediately withdraws. drawn, I will forward you a further communication, for publication in your next issue.

ROBERT WILSON. in your next issue. London, Nov. 26.

[For remainder of Original Correspondence see to-day's Supplement.

SELF-ACTING ATMOSPHERIC ENGINES .- Some improvements in self-acting atmospheric engines, or perpetual motion machines, were provisionally specified by Mr. W. M. Harwood, of Manfield, but he abandoned the project before obtaining a patent. He claims that the utility of the self-acting atmospheric engine will effect a saving material out of which the powder prisms are to be pressed is put in of considerably over 120,000,000l. per annum in Great Britain and duly reduced state into a hopper from which a slide actuated by a

cam disc feeds at every stroke a like quantity into each mould. The upper pistons hereupon descending and entering into the moulds and the lower ones rising, the powder is compressed between the pistons. The upper pistons thereafter leave the moulds and rise to certain distance from the table, while the lower pistons continuing to ascend, though at a smaller speed, push the finished prisms out the moulds. The slide now advancing again shifts the prisms forward the moulds. to ascend, though at a smaller speed, push the misned prisms out of the moulds. The slide now advancing again shifts the prisms forward on to the table and out of the way of the pistons.

FOREIGN MINES.

ST. JOHN DEL REY.—Telegram from Morro Velho, dated Rio de Jane Nov. 22: Produce, 11 days, first division of November, 5500 oits, value 23: yield 5 oits, per ton. Profit for the month of October, 1700. All going os war RICHMOXD CONSOLIDATED.—Telegram from the mine at Eureka, News Week's run, 845,000, from 900 tons of ore. Refinery, \$55,000.

— R. Rickard, Eureka, Nevada, Nov. 3: Lizette Tunnel cross-cut has been developed and the control of the present end is much more favourable than it been for some time. The 200 north cross-cut has been dirited 9 ft. in ground; this is being dirited to connect with a winze sunk in ore from the up part of No. 14 chamber. The 500 north from No. 14 chamber, has been advanted 15 ft. in hard limestone. The 500, north from No. 12 chamber, has been dirited 24 ft. in favourable ground. The 600 west drift has been advanced 12 ft. ground is softer, and has the appearance of nearing shafe. The 600, north for No. 14 chamber, has been dirited 17 ft., without any change to mention. The 700, west from shaft, been advanced 17 ft., it hard ground. The 700, north-west from winze, has be drifted 17 ft., without any change to mention. The 700, west from shaft, been advanced 4 ft. in hard ground. The 700, north-west from winze, has been drifted 14 ft. without any change to mention. The 700, south-west from shaft, in compact limestone. The 800 north, on fissure, has been extended 21 ft. in favourable looking ground. The 700, north-west from winze, has been drifted 14 ft. without any change. The 800 west drift has been extended 13 ft. in compact limestone. The 800 north, on fissure, has been extended 21 ft. in favourable looking or mention. The 700, south-west from whose head of the 14 ft. without any change. The 800 south-west from wind the ground looks very favourable for striking ore. The 800, south-west from whose head of the 14 ft. without any change. The 800 south-west from the company of the 15 ft. in favourable for the 800, south-west from the been drifted 14 ft.; work has b round who are witting to avail themselves of them. For domestic purposes exchanges can be connected with any public buildings, cabstands, telegraph offices, police stations, fire stations, shops. &c.

To bring into use telephones for exclusive private use at the lowes cost. The company will provide and maintain speaking apparatuly within a radius of one mile of all their exchanges at a low annua rental, with a slight increase for each additional mile of such radius, which increased charge will be reduced whenever new exchanges as

Purchasing under very exceptional circumstances, the company has acquired upon the most favourable terms the whole of the present property, consisting of plant and machinery, fixtures, contracts on hand, and other assets.

The vendor having every confidence in the future prospects of the company retains a very substantial interest in the company.

List of subscriptions to exchanges and rentals of private stations may be had on application at the offices of the company.

The Memorandum and Articles of Association, and the agreement with Mr. William F. Gillham and Mr. William D. Berry, can be seen at the offices of the company, and copies of the prospectus and forms of application for shares, or any further information, may be obtained at the offices of the company, and also of the bankers, solicitors, and secretary. The list of applications will remain open until the 11th day of December, 1880. FRED. CARTER, Secretary (pro tem.) Ireland in fuel, labour, and materials. It is fortunate the inventor abandoned the patent in time, and thus avoided the risk of his fabulous profits proving too much for him. sgun clearing it. The new cross-cut to the bair, called een begun.—Mine of San Antonio de la Oveja: The lode now nearly 1 metre broad, and of a more formal appear where the barmante: We must now be very nea-twe encountered a break in the rock, that probably is

have encountered a break in the rock, that probably is the up vein.

CANADIAN COPPER.—F. Bennetts, Nov. 12: Bolton Mine: through the vein at the 10, south of north shaft, is now in hard it that contain small branches of mundle and copper ores; the wid passed through is from 16 to 17 ft. In the 10, north of the shaft, the vein carried is about 5 ft.; the vein is largely composed of s are found good stones of rich yellow copper ore. The general ap vein, its surroundings, and indications are such as would, I thin as fully entitling a thorough trial of its productiveness.—St. Fran have made fair progress in bullding in the boller, &c., preparat the mine, and have resumed the driving of the addit level east There is about 3 to 4 ft. of vein rock in this drift, and enclosed in there is a bout 3 to 4 ft. of vein rock in this drift, and enclosed in the back of the drift, and increasing to 8 in, in the back of the drift there is about 1 in, of solid purple ore, which becomes scattered in the entire width of the branch.—Acton Min change of importance to report; the 30, east of No, 5 shaft, is m ported.—Hartford Mine: The winze in the bottom of the 50, east still continues to look well. The stopes are also yielding a fair amost [For remainder of Foreign Mines see this day's Supplem INDIAN GOLD MINES—THE MYSORE DISTRICT.

The attractiveness of the Mysore district was prominently referred to in last week's Journal by Mr. A. Hay Anderson, and it is not improbable that the excellent record he gave of it may have assisted, if assistance were necessary, in attracting careful attention to the great mineral wealth of the district. But be this as it may the Mysore companies have been in great favour throughout the week, and the Mysore Reefs Gold Mining Company—the last put upon the market—has already had so many applications that in the course of a few days the list of subscriptions will be closed. The property, as has been already explained, covers about 320 acres, with a run of about 1200 yards north and south on the course of the auriferous quartz reefs, and a width of about 1290 yards from east to west. The land has been selected in this way so as to take in all the main reefs, and [For remainder of Foreign Mines see this day's Supplement.

reers, and a width of about 1230 yards from east to west. The land has been selected in this way so as to take in all the main reefs, and as little barren ground as possible. The Ooregum Gold Mining Company, the Mysore Gold Mining Company, and the Madras Gold Mining Company have properties immediately adjoining this company's on the north and south, and the same auriferous reefs traverse each property. The present market value of the shares of the above companies affords tangible proof of the estimation in which the reefs are held the Ooregum, shares being quoted 300 per cent premium. NEW KITTY .- The readers of this Journal have been from New Kitty.—The readers of this Journal have been from time to time prepared for the future of this mine. The reports continue to be of such a character as to apparently ensure a large increase in the market value of the property; so much so that the shares are in increasing demand, and it is believed that immediate returns will be made when the water is forked. Should the independent estimates be correct a repetition, on a large scale, of West Kitty surprises is evitable, and now New Kitty is not selling for more than 500, whereas West Kitty is selling for 15,000L, and no doubt is likelyed quickly to double in price. This, however, only goes to indicate the future of New Kitty. It is satisfactory also to know that the way companies, although distinct and under different management, are friendly, and that there cannot be any dispute as to boundaries. The natives were, as will be seen from the prospectus in another column, in the habit of working these fields in the rudest and most primitive manner, and they appear to have been unable to devise means for getting rid of the water beyond a depth of 12 fms.; thus they have only worked at the off-shoots from the main lodes, which are all true auriferous fissure veins. One of the auriferous lodes which runs through this property into the adjacent Ooregum Gold Company's block has been proved to a depth of 90 ft.; and, at about 80 ft. from surface, 17 tons of quartz were raised, which yielded a bar of gold weighing 40½ ozs. (assay 92½ per cent. of gold and 7½ per cent. of silver), equal to 2 ozs. 8 dwts. per ton, and later reports state that 9 tons of quartz from an adjacent lead gave 27½ ozs. of gold, and stone of equal richness is now being raised. The result of the workings on the adjoining Ooregum Gold Company's block shows that at a depth of 15 fms., levels can be driven, and auriferous lodes which traverse this property can be worked, yielding quartz which assays 2 ozs. 8 dwts. per ton. The directors have every right from past experience to assume that this average friendly, and that there cannot be any dispute as to boundarie This is important when we calculate that the discovery in West Kit has already resulted in about 10 fathoms of ground producing 300

MESSRS. J. TAYLOR AND

86, LONDON WALL, LONDON, E.C.,
Australia, and the United States of America.

Inspections undertaken, either personally or by our Agents, and
Advice as to Working given.

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yielding quartz which assays 2 ozs. 8 dwts. per ton. The directors have every right from past experience to assume that this average will increase with depth; they have based their calculations of profit upon mining, milling, and reducing, during the second half of the first year, 50 tons per day, and this would give, assuming the ore to yield but 1 oz. of stone to the ton of stuff, an amount of profit which will place the Mysore Reefs Company in a very proud position in the Dividend List. As the direction and management will be in the hands of competent and experienced men, there need be no doubt that the resources of the property will be availed of to the utmost. TREVINCE CONSOLS.—We again advise immediate purchase of An Important discovery of copper has taken place, and shares cal ought under 22s. 6d. They will no doubt double in price very q report.

MINING SHARES, AND HOW TO DEAL IN THEM Published for the Author at the MINING JOURNAL Office, 26, Fred

Powers of Directors.—The Master of the Rolls has decided in the case of the Alma–Spinning Company that where the number of directors is reduced below the minimum named in the Articles of Association they have no power either to make calls or forfeit shares. In this case a retiring director's shares had been declared forfeited; soon after the mill was burned down, and he claimed his share of the

HORACE J. TAYLOR, STOCK AND SHARE DEALER (Late of the PORT PHILLIP AND VICTORIA [London] MINING COMPANIES, Limited.)

38, GREAT ST. HELEN'S, LONDON, E.C.
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STOCKS SHARES A N D press the powder within the moulds are actuated by two pairs of eccentrics fixed on the main shaft of the machine, has been invented by Mr. HERMANN GRUSON, of Buckau, Magdeburg. The two eccen-

FOREIGN BONDS, RAILWAYS, TRAMWAYS, GAS, INSURANCE IRON, COAL, and MISCELLANEOUS SHARES.

Prices, with reliable information, forwarded on application to—

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BARTHOLOMEW LANE,

LONDON, E.C.

above a table provided with moulds. The eccentrics constituting the second pair are also equal to each other with regard to their eccentricity and their position on the shaft, but different in these respects from the first pair. They are connected to a second cross-head moving in guides below the said table. Both cross-heads are provided with pistons corresponding with the holes or moulds in the table, the said moulds being of hexagonal or other appropriate form. The material out of which the powder prisms are to be pressed is put in additional value of the said moulds. SPECIAL INFORMATION in the SELECTION of MINING The "MINING TELEGRAPH" published monthly, and the "W LIST" may be had on application.

WHEAL HONY AND TRELAWNY.—These shares are strong for a great rise. The work at the mines is proceeding most continuous that the present rate of working the mines should in April next. At 68 fms. sliver-lead can be got worth £20 percent. Present price, 2½ to 2½.

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Nov. 2

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### HEAT, LIGHT, AND VENTILATION.

ALEXANDRA PALACE.

TRADE EXHIBITION AND MART OF HEATING, LIGHTING, and VENTILATING APPARATUS and APPLI-gest connected therewith will be HELD in the Great Central maps and adjoining Exhibition Halls, from DECEMBER 22ND,

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### AIR COMPRESSOR AND ROCK DRILLS WANTED.

AT ONCE, for the KAPANGA GOLD MINING COMPANY OF NEW ZEALAND, a ROCK DRILL and COMPRESSOR.

Secretary, W. J. LAVINGTON, 14A, Austinfriars,

TALUABLE GRAPHITE FOR SALE. MINE

HERBERT C. JONES BROCKVILLE, ONTARIO, CANADA.

ANGANESE.—The Owners of a Mine, from which a large output is expected, wish to make arrangements found. ANGANESE.—The Uwners of a Mine, from which a large output is expected, wish to make arrangements for the DIS-Lof the ORE. At present a SMALL PARCEL is FOR SALE.

ply, stating price, in the first place, to E. STUTCHBURY, Esq., ag Engineer, 1, Bristol Chambers, Nicholas-street, Bristol. y 41 per cent. Metallic Manganese. Samples may be had on

HE ADVERTISER IS OPEN to an ENGAGEMENT AS METALLURGICAL ASSAYER OF MANAGER. Has had

psiderable experience in Copper Smelting.
Address, EDWARD MERRY, 28, Hagley-road, Birmingham

OPPER MINES, with easy working, FOR SALE. - Analysis shows 76:55 per cent. Copper, and 0:281 per cent. Silver.

phications to be made to Mr. L. FREDRIKSEN or Mr. H. BROCH,

MINING ENGINEER (Graduate of the Royal School of Mines), with some experience in Mining and Metallurgy in Europe America, is OPEN to an ENGAGEMENT.

Midres, "W.," 15, Duke-street, Manchester-square, London, W.

OR SALE, BY PRIVATE CONTRACT, a HALF (or less)
SHARE in a PROSPEROUS and OLD ESTABLISHED
ELLERY and FIRE-BRICK MANUFACTORY. Easy terms of ment would be arranged.
mmunications, by letter only, to Messrs. RICE and BURNETT,
citors, 10, Lincoln's Inn Fields, W.C.

OR SALE, TWENTY-SHARES in the BARROW HEMATITE

AND STEEL COMPANY.
Apply to "Box 58.," Post Office, Middlesborough

RINGE PATRICK LEAD MINE (HOLYWELL).—LAST MDSUMMER DIVIDEND PAID AT THE RATE OF TWENTY PER I. FER ANNUM.
8 SALE, on account of a Trust Estate, NEW and OLD ISSUE of SHARES show 'ALUABLE LEAD MINE.
688, 'Lead,' care of Lee and Nightingale, Advertising Agents, Liverpool.

TO GOLD, SILVER, OR LEAD MINING COMPANIES.

A GENTLEMAN, having had four years' experience in the mining districts of South Wales as Mining Engineer, and two years in simining and smelting, ore dressing and assaying, SEEKS AN APPOINT-LIGHT STREET, abroad preferred. Speaks French.

TO STOCKBROKERS.

WE ADVERTISER, who has an extensive connection in Mining matters, WISHES to CO-OPERATE with a STOCK and SHARE BROKER solition and influence for their MUTUAL ADVANTAGE. solitons, "Miner," MINING JOURNAL Office, 26, Fleet-street, London, E.C.

O S P E C U L A T I V E C A P I T A L I S T S

SEVERAL REAL GOOD AND PROGRESSIVE SHARES in GOLD,
EE, COPPER, TIN, and LEAD MINES, also in other Companies, can be
MINED A BAGAIN, if bought at once.
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COAL AND IRON ORE ROYALTY.

NO BE LET, in the WEST CUMBERLAND HEMATITE
DISTRICT a good-sized ROYALTY, containing both COAL
ARON ORE, and adjoining the Cleator Railway.
For further particulars, apply to Mr. DICKINSON, Redhow, Lamp-

Cockermouth.

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ALEXANDER SMITH, M. Inst. C. E., CONSULTING ENGINEER and VALUER of IRONWORKS, MINING, RAILWAY, ENGINEERING, and other PROPERTY

PLANT, and MACHINERY, 1, PRIORY STREET, DUDLEY.

Mr. Smith has been retained for nearly 20 years by some of most prominent firms, and has conducted many of the largest luations that have taken place in the kingdom.

Valuations for Stock Taking or any other purposes upon very sonable terms.

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W. 19-United Wines.	Tons.	Pr	ice p	er t	on.	Purchasers.
West Dyliffe	30		10	6	6	Goodhart and Co.
-Fast D	20		10	3	6	Walker, Parker, & Co.
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26-Northern	24	*******	9	9	0	. J. Walton.
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BLACK TIN.  In the High Court of Justice-Chancery Division

JONES v. CHORLEY.

CEFN CAM SLATE QUARRY, MERIONETHSHIRE. Equi-distant about nine miles from Dolgelly and Barmouth. The proper covers an area, including the lands attached, of about 380 acres, and compri a wharf on the River Mawddach, a manager's house, a smithy, store-roo barracks for about 50 men, and other necessary buildings. The slate is of ge quality, of excellent closur, hard and durable, and of excellent cleavage, h from the Grown for a term of 201/2 years, from the 5th of April, 1882, a rental now payable of £100 per annum, merging into a royalty of 1-12th. a judicious outlay in improving the transit, or the construction of a tramw and opening up the quarry, there is every probability that it might be mad profitable concern. With possession.

MR. BENTLEY JAMES BRIDGEWATER, of the firm

ABLES THE ABLES OF THE OF THE

TO IRONMASTERS, CAPITALISTS, AND OTHERS VALUABLE PROPERTY FOR SALE, SITUATE NEAR NEWTOWNCROM-MELIN, IN THE COUNTY OF ANTRIM,

CONSISTING OF A TRAMWAY OR RAILWAY FOR THE CARRIAGE OF MINERALS.

TRAMWAY OR KAILWAY FOR THE CARRIAGE OF MINERALS.

TO BE SOLD (under the Power of Sale in a Mortgage), BY
PUBLIC AUCTION, at the Auction Mart of Messrs. Hugh C. Clarke and
Son, Rosemary-street, Beliast, on Friday, the 10th day of December, 1830, at the
hour of Twelve o'clock, in One Lot,
1.—All those SEVERAL PIECES or PARCELS of LAND, being part of the
Lands of Cargan, Legagrene, and Evishacrow, in the Barony of Kilconway and
County of Antrim, containing 4 a. 2 R. and 1 P. statute measure.
2.—All those SEVERAL PIECES or PARCELS of LAND, part of the Lands of
Tuftarney, in said Barony and County, containing 1 a. 1 R. and 26 P. statute
measure.

measure.

3.—All that PIECE or PARCEL of LAND, being part of the said Lands of Cargan, containing 2 p. statute measure. All held in fee simple, together with the Rails, Sleepers, Points, Gates, Bridges, Fences, Drains, Crossings, Engine Shed, House, Drum or Hoist Drum House, Wire Ropes, Runners, and all other the Fixtures and other Property upon the said Lands.

DESCRIPTIVE PARTICULARS.

DESCRIPTIVE PARTICULARS.

The Property to be sold comprises the several parcels of land above mentioned, upon which there has been constructed a Railway laid with steel rails of about 54 lbs. to the yard. The line has been laid in the best manner, and properly bridged and drained, and gives communication from the Townlands of Tuttarney, Legagrane, Skerry East, and neighbouring townlands, being an extensive district, rich in iron ore, and in which large and profitable mining operations are being carried on, to the Ballymena, Cushendall, and Redbay Railway, by means of which line minerals can be carried and laid down for shipment on the quays at Belfast and Larne.

The Property is completely fenced in, and there is a large engine-house and dwelling-house auitable for a caretaker on the land. At one portion of the line there is a considerable incline, which is worked by means of a double wire rope and drum. The whole property is in complete working order, and has been quite recently used for the transit of iron ore by the Crommelin fron Ore Company.

pany.

The nearest railway station to this railway is at Ballymena.

The Abstract of Title and Conditions of Sale under and subject to which
Property will be sold, may be seen at the Offices of the undermentioned Solici
for the Vendors at Beliast.

For further particulars, apply to— Messrs, MGRIGOR, DONALD, AND COMPANY, Solicitors, 172, St. Vir cent-street, Glasgow; fessrs, JOHNSONS, UPTON, BUDD, AND ATKEY, Solicitors, 20, Austinfriars, London, E.C.;

friars, London, E.C.; Messrs, CRONHELM, SON, AND TOBIAS, Solicitors for the Vendors, 22, Lombard-street, Belfast, and Eustace Street Buildings, Dublin; HUGH C. CLARKE AND SON, Auctioneers, Rosemary-street, Belfast.

RE FOWLER'S PONTYPRIDD STEAM COAL COMPANY (LIMITED).

IN VOLUNTARY LIQUIDATION

TO BE SOLD, BY PRIVATE TREATY, all that VALUABLE STEAM AND BITUMINOUS COAL COLLIERY, the property of the above company, together with the COLLIERY PLANT and MACHINERY, and also the COTFAGES, BRICK-KILNS, COKE-OVENS, OFFICES, and BUILD-INGS attached thereto. The entire taking comprises an area of 823 acres or thereabouts of the celebrated Rhonda Steam Coals, and as to a large portion thereof includes Nos. 1, 2, and 3 Rhonda Steam Coals, and as to a large portion thereof includes Nos. 1, 2, and 3 Rhonda Steam Coals, and as to a large portion thereof includes Nos. 1, 2, and 3 Rhonda Steam Coals, and as to a large portion thereof includes Nos. 1, 2, and 3 Rhonda Steam Coals, and as to a large portion thereof includes Nos. 1, 2, and 3 Rhonda Steam Coals, and as to a large portion thereof includes Nos. 1, 2, and 3 Rhonda Steam Coals, and as to a large portion thereof includes Nos. 1, 2, and 3 Rhonda Steam Coals, with no underground wayleave between the several properties embraced in the taking, and the certain rents are moderate, and merge in the royalties.

Two pits have been sunk and completed to the Upper Four-feet Seam, with all necessary appliances. The engines, machinery, and plant are of the best description, with Waddle's fan and ventilating machinery. The total outlay to the present has been about £83,000.

The property communicates with the Taff Vale Railway, and is situate at Pontypridd, within 13½ miles of the port of Cardiff and Penarth Dock, and is, therefore, more favourably placed in this respect than any other steam coal colliery in the neighbourhood.

The colliery having been only recently suspended as a going concern the same is in perfect order, and a large output can be immediately worked therefrom.

The colliery having been only recently suspended as a going concern the same is in perfect order, and a large output can be immediately worked therefrom.

The company also hold on a 93 years' lease a LaRGE TRACT of BULDING LAND adjacent to the colliery, part of which has already been sublet at an inc

### OLD GUNNISLAKE MINE.

TENDERS are invited for the SUPPLYING of a NEW AIR COMPRESSOR, 12 in, diameter and 4 ft. stroke (to be worked direct from back end of piston rod of the engine now on the Mine), together with NEW or SECONDHAND RECEIVER and CONNECTIONS, and subject to the drawings and specifications of the company's engineer, which may be seen at the office on the Mine on and after the 20th instant.

Tenders to be addressed to Capt. Skewis, the Manager at the Mine, marked "Tenders," on or before Tuesday, the 30th inst.

The company do not bind themselves to accept the lowest or any Tender.

WHEAL UNY.

TENDERS FOR PERSEVERANCE SETT.
In accordance with Resolution of a Special Meeting, the Committee are prepared to RECEIVE TENDERS for the PERSEVERANCE portion of this sett, with the MACHINERY and MATERIALS thereon.
Tenders must be delivered to the Pursers not later than noon on the 2nd of December next.

Tenders must be delivered to the Pursers not later than noon on the 2nd of December next.

The Committe do not bind themselves to accept the highest or any tender.
Full particulars can be had on application to Capt. Eddy, on the Mine; or to R. H. Pikk and Sox, Pursers.

U L E F F'S CRUCIBLE MANUFA TREWERGIE, REDRUTH, (Established upwards of One Hundred Years) FOR SALE, BY TENDER. MANUFACTORY

The above business was carried on by the late Messrs. JAMES JULEFF and Son, and now in FULL COURSE OF WORKING.
For further particulars, apply to Miss JULEFF, the proprietor, to whom tenders must be addressed not later than the 20th December, 1830.

TO BE SOLD, BY PRIVATE CONTRACT, A VALUABLE FREEHOLD RESIDENTIAL and MINING PROPERTY, being a portion of THE RUMLEIGH ESTATE,

Containing about 162 acres, in the parish of Bere Ferris, near Favistock, Devon. The mansion commands beautiful and extended views of the River Tamar and surrounding country. The well-known character of the ground and the immediate vicinity of large and important lodes afford substantial; idence that large deposits of minerals underlie the property.

The estate possesses wharfage to the river, and large brick and tile works.

For further particulars, apply to Messrs. RAWLENCE AND SQUAREY, Salisbur and 22, Great George-street, Westminster; and Messrs. Carlyon and Son, True

TO BE SOLD, BY PRIVATE TREATY, THREE HUNDRED VERY SUPERIOR 8-ton COAL WAGONS, built in the years 1873 and 1874 by OLIVE, of Bury, and the Midland Wagon Company.

The whole have been very little used, and are nearly as good as new. For further particulars, apply in writing to "Box 200," MINING JOURNAL Office, 28, Fleet-street, E.C.

TO BE LET, OR SOLD, the GILFACH or WHITLAND ABBEY GREEN SLATE AND SLAB QUARRIES, situated about four miles from the Narberth Road Station on the Great Western Railway, SOUTH WALES.

Railway, SOUTH WALES.

For particulars, apply to the Proprietor, Capt. OWEN W. GEORGE,
Plas Cwm, near Narberth, Pembrokeshire; or H. E. TAYLOR, Esq., 15, Newgate-steet, Chester.

TO BE LET ON LEASE.—TWO BLAST FURNACES, fitted with store pipes of the best description. There are also with stove pipes of the best description. There are also a number of Coke Ovens, and if required a Colliery could be arranged for producing an excellent Osking Coal. Also a very good Manager's House. The furnaces are on the Great Western Railway, and about 25 miles from Cardiff.

For particulars and order to view address A. B., care of E. D. Till, 26, Lombardstreet, London, E.C. DECLARATION OF THE FIFTEENTH MONTHLY DIVIDEND.

The Board of Directors have DECLARED a DIVIDEND of FIFTEEN THOUSAND DOLLARS out of the profits realised in October, being at the rate of 9 per cent. per annum on the capital, PAYABLE on December 1, leaving at credit of reserve fund, \$51,068-87.

THEODORE BERDELL, Vice-President.

21, Great Winchester-street, E.C., 20th November, 1880.

THE FRONTINO AND BOLIVIA (SOUTH AMERICAN) GOLD MINING COMPANY (LIMITED).

Notice is hereby given, that the next ANNUAL MEETING of the Shareholders of this company will be HELD at the City Terminus Hotel, Cannon-street, in the City of London, on TUESDAY, the 14th day of December, 1880, at One o'clock r.m., for the following purposes:—
To receive the report of the directors, and the audited statement of accounts of the company for the two half-years ending the 30th June, 1880.
To elect directors.
To elect an auditor; and for other business.
By order of the Board, J. JAMESON TRURAN, Secretary.
184, Gresham House, Old Broad-street, London, E.C..
27th November, 1880.

NTIOQUIA (FRONTINO) COMPANY

Notice is hereby given, that the next ORDINARY MEETING of the Shareholders of this company will be HELD at the City Terminus Hotel, Cannonstreet, in the City of London, on TUESDAY, the 14th day of December, 1880, at Two o'clock P.M., for the following purposes:

To receive the report of the directors, and the audited statement of accounts of the company to the 30th April, 1880.

To elect two directors.

To elect an auditor; and for other business.

By order of the Board,

J. JAMESON TRURAN, Secretary.

184, Gresham House, Old Broad-street, London, E.C.,

27th November, 1880.

THE LOMAX SILVER-LEAD MINE COMPANY (LIMITED), HELSTON, CORNWALL.

Messrs. Thompson and Sons, Secretaries of the above company, have much pleasure in drawing attention to the Special Reports from Capt. Hancock and Capt. Curtis, both of whom well know the district. The reports appear on page 1354 in this day's Journal. It is the opiniou of every practical miner that this mine, commonly known as Old Wheal Rose, will prove to be the richest Silver-Lead and Iron Mine ever opened in the county of Cornwall.

The unallotted shares may be secured for £1 each, fully paid up, by applying to Messrs. Thompsox and Sons, 14, Old Town-street, Plymouth.

It is believed in a very short time these shares will be at a high market value. Full particulars will be given to any intending investor.

Full particulars will be given to any intending investor. Plymouth, November 25th, 1880.

THE FORTESCUE (STANNAGWYN) NATIVE TIN, COPPER, AND ARSENIC COMPANY (LIMITED), ST. STEPHENS, CORNWALL.

Messrs. THOMPSON and SONS, sceretaries of this progressive mineral property, INVITE SUBSCRIPTION for the FEW REMAINING UNALLOTTED SHAKES in the company at the low price of 40s, each.

This mine, since the company was formed to work it early in the year, has exceeded the expectations of the resident and superintendent agents, so far as the products of minerals are concerned; and it is calculated that there is sufficient ore ground laid open to view, which can be stoped away and sent to stamps (now set at 5s. per ton), to last for very many months to come, without further prospecting. We shall, however, sink on the lode below the 25 fm. level some 10 or 12 fms, as we expect the ore ground will (as in most similar cases) prove richer, and the lode more compact, and carrying more tin.

We have already commenced stamping thin stone from the back of the lode, and some stones from a counter lode found in a quarry, giving a very fair produce for shallow ore, and have a good pile of dressed ore ready for calcining, which is daily taking place, and we can keep up a constant supply of black tin for the market. A batch of tin will be sold this month.

We have 16 heads of stamps now working day and night, but the tinstuff can be raised equal to the power of at least 100 heads; and as thi is rising in market value, it is most desirable that we should at once set more stamps to work. We lear, however, if we attached a second battery of stamps to our engine we should run a risk of overpowering it, as it has to do duty of pumping, drawing the stuff, and stamping. The managing director has, therefore, had for some time under his serious consideration the expediency of erecting further machinery for increasing the returns of minerals.

An unexpected opportunity has just offered itself, of which we were galad to take advantage for the benefi

the new stamps. Applications for shares to secure them at present price must be made at once

THOMPSON AND SON, Secretaries, 14, OLD TOWN STREET, PLYMOUTH.

THE SOUTH WYNAAD GOLD MINING COMPANY (LIMITED).

Capital £100,000, in Shares of £1 each.

Notice is hereby given, that the SUBSCRIPTION LIST will CLOSE on WEDNESDAY next, the 1st December, for LONDON, and THURSDAY, the 2nd December, for the COUNTRY.

THE CLOGAU MINING COMPANY
(LIMITED).

NOTICE.—The SHARE LIST, offered for subscription in the
Mining Journal of the 20th instant, WILL BE CLOSED THIS
DAY, SATURDAY, 27th November, 1880.

Letters of Allotment and regret will be posted next week.

By order of the Board,

E. HARBOROW, Secretary.

MESSEL THOMSON AND STOCK AND SHARE DEALERS.

88, BISHOPSGATE STREET, E.C. AND BANKERS: ROYAL EXCHANGE.

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TREVINCE CONSOLS.—We have for some time past strongly advised an immediate investment in this mine. A rich course of copper ore has now been iscovered close to surface. We believe this will prove the greatest discovery nade in Cornwall for many years past. Shares are rapidly advancing in value. Price about 20s. See report.

M I N E "ELCALLAO,"
GUAYANA, VENEZUELA.

COUPONS OF SHARES... Gold in bars produced in the month of September, 1880, and re-

Messrs. Baring Brothers and Co., London, 4830-99 ozs.
DIVIDEND distributed for each coupon, \$150.

(Signed) A. LICCIONI, President.

(Signed) VICTOR T. GRILLET, Treasurer.

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# important to all interested in Mining.

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LIMITED.

Since issuing the Prospectus of the above Company an extraordinary discovery has been made in the adjoining mine, New Eliza, where a lode of tin already TWELVE FEET WIDE is laid open, and THE SOUTH WALL NOT AS YET REACHED. there are ROCKS of Tinstone being blasted out 3 tons weight, producing on an average the enormous quantity of

4 cwts. 3 qrs. 19 lbs. 0.3 oz. TO THE TON OF TINSTONE. It is stated by the agent, under date 20th inst., that the pile of ore already raised is splendid,

ROCKS OF SOLID TIN as large as wheelbarrows glistening against the sun, and that several mining agents who recently visited the property state that the Mine is worth

£50,000. He further states that

THIS LODE RUNS DIRECTLY INTO THE "RASHLEIGH MINE,"

and he sees no reason why it should not be as rich in the Rashleigh Mine as it is in the New Eliza.

Now, looking at the above facts from a mining point of view with the ALREADY discovered good PAYING LODES in the Rashleigh, and seeing that this ENOR-MOUSLY rich lode referred to above runs

DIRECTLY INTO AND THROUGH THIS PROPERTY.

there cannot be a shadow of a doubt that the Rashleigh and Copper Mine will take rank with the

BEST PAYING MINES

in the kingdom.

We have every confidence in recommending this Mine to the notice of investors as a highly promising ter and sound property, as offering an almost positive certainty of success and a minimum of risk,

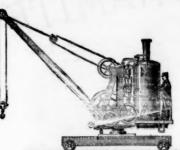
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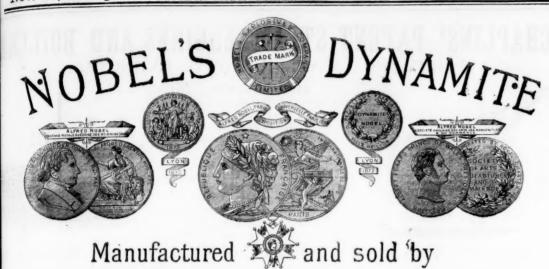
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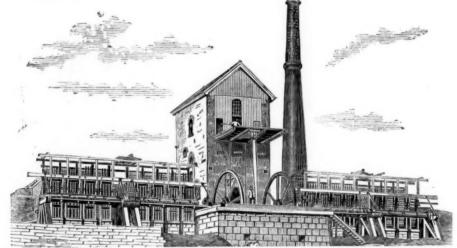
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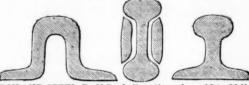
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3939 Blue Hills, t, c, St. Agnes	
10000 Caron 4, Cardigan*	
1000 Cara Brea, c, t, Illogants	
10440 Devon Gt. Consols, c, q, Tavistock* 1 0 0 15 12½ 13½ 118 7 0 0 6 0 Dec. 188	
4296 Dolcoath, c, t, Camborne	
30000 East Craven Moor, * l, Pateley Bdg. 1 0 0 1 % 1 0 0 6 0 0 6 Aug. 1830	
6400 East Pool, t, c, Illogan	
12500 Frongoeh,* l, Cardgn (11000 sh.iss.) 2 0 0 4¼ 4¼ 4¼ 0 2 0 0 2 0 June 1880	
40000 Glasg. Car., 6 (30000sh. 21 pd., 10000 15s. pd.) 115 115 0 13 10 0 0 6Aug 187	
6500 Gorsedd and Merllyn Con., 7, Flint. 2 10 0 3 2½ 3 0 5 0 0 5 0 Aug. 187	
15000 Great Laxey, I, Isle of Man*1 4 C 0 191/2181/2 191/2 26 8 0 0 6 0Oct. 1880	
6400 Green Hurth, J. Durham*	
20000 Grogwinion, J. Cardigan* 2 0 0 314 3 334 0 16 4 0 1 6July 1386	
10240 Gunnislake (Clitters), t, c1	
2800 Isle of Man, I, Isle of Man* 25 0 0 83 5 0 1 0 0 Sept. 1880	
20000 Leadhills,* Lanarkshire 6 0 0 234 234 254 0 15 0 0 3 0Mar. 1876	
400 Lisburne, I, Cardiganshire 18 15 0 —	
10000 Mellanear, c, Hayle*	
9000 Minera Mining Co., l, Wrexham* 5 0 0 11 10 11 68 19 2 0 2 0Oct. 1880	
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5328 North Busy, t, c, Blackwater 0 5 8 3½ 2½ 2½ 0 3 4 0 0 10Oct. 187	8
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12000 Phoenix United, t, c, Link	0
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10000 Red Rock,* l, Cardigan	8
12000 Roman Gravels, I, Salop*	)
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6123 South Condurrow, t, c, Cambornet 6 5 6 1134 11 1134 7 12 0 0 10 0Aug. 1880	)
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4500 South Wheal Frances, 2, Illogant 7 12 4 12 11 12 40 15 6 6 10 0July 1880	
110000 Tankerville Gt. Consols, l, Salop*†. 1 0 0 11/2 11/2 11/2 0 16 3 0 0 10Jan. 187	
6000 Tincroft, c, t, Pool, Illogant	
15000 Van, l, Llanidloes* 4 5 0 18 15 17 24 18 0 0 7 6July 188	
3000 West Chiverton, I, Perranzabuloet 20 5 0 11/2 11/4 11/4 55 10 0 0 10 0 Feb. 187	
512 West Tolgus, c, Redruth 95 10 0 55 50 55 33 0 0 1 0 0Jan. 187	
1200 West Wheal Seton, c, Cambornets 25 10 0 12 17 18 223 0 0 0 7 6 Apr. 187	
6000 West Basset, c, Illogant	
12000 Wheal Crebor, c, Tavistock	
1024 Wheal Eliza Consols, t, St. Austell 18 0 0 — 42 10 0 8 0 0 Aug. 188	
4295 Wheal Kitty, t, St. Agnes	
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POPEICY DIVIDEND MINES	

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20000	Australian, c, South Australia† 7	7	6	134	134	134	. 1	5	6 0	2	CAug.	1880
20000	Cape Copper Mining, T South Africa 7	0	0	91 1/2 9	036	41/2	. 39	7	6 1	0	0Sept.	1880
35000	Cesena Sulph. Co., Komagna, Italy* 10	U	U				. 1	1	0 0	- 1	OAug.	1879
	Copiapo, c, Chili* (£20 shares) 17	0	0	12	11	12	. 7	16	5 0	5	0July	1880
	Eberhardt and Aurora, s, Nevada*† 10		0	23/4	21/4	23/4	. 1	8	0 0	3	0Dec.	1377
	English & Australian, *† c, S. Aust 2		0	158	13%	15%	. 2	18	9 0	1	0Mar. 0Sept.	1880
	Fortuna, 1, Spain*† 2		0	6	5	6	. 7	15	5.0	4	0Sept.	1880
	Frontino & Bolivia, g, New Gran.*† 2		0	43/2	41/4	43/4	. 0	6	0 J	1	0Sept.	1880
15000	Linares, l, Spain*† 3		0	61/2	614	634	. 18	10	10 0	8	0Sept.	1880
	New Quebrada, c, Venezuela 5	0	0	51/2	614	634	. 0	2	6 0	2	6July	1880
25000	Pitangui, * g, Brazil (in. 6000 £1 pd) 0	10	0	31/			0	1	00	1	0 Sent	
10000	Pontgiband, s-l. Francet	0	Ο	20	18	20	27	17	6 0	10	9 Dec	
100000	Port Phillip, q, Clunes*†(£2 shares) 1	0	0	36	36	56	. 1	13	4 0	1	4 Mar.	
54000	Richmond Consol., s, Nevada*1 5	0	0	15341	43/4	1514	. 10	1	6 0	10	0Nov.	
1358880	Rio Tinto, c. Sp. Coup. Bds., Huelva, 100	0	0	97	98 1	00		5 m	er cent		July	1990
_	Do, Mort. Bnds. English 5 p.c. Scrip	-		9316	93	95		5 D	er cent		July	1990
225000	Ditto shares	0	0	1814	19 1	210	0	10	0 0	0	O Non	0000
40000	Santa Barbara, * q, Brazil 0	10	0	2	134	2	. 0	10	9 0	2	O Ane	1990
120000	Scottish-Australian Mining Co.*7 1 Ditto, New	0	0	2 1/2	21/4	21/2		15	p. cen	t.	May	1880
80000	Ditto, New0	10	0		1 1	1/4		15	p. cen	t.	May	1880
50000	Sentein, 8-6, 06, Ariege, France	13	0	21/2	2 2	16		2	0 0	2	0 Jan	1000
22500	Sierra Buttes, q, California*†	0	0	1 1/4	1 1/4	13/	2	1	6 0	1	D. Oct.	1880
40625	Ditto, Plumas Eureka 2	0	0	23/4	25%	2 7/2	. 2	10	0 0	3	O. Oct.	1880
253000	St. John del Rey*t (£5 Stock and multip	alea	deal	t in)	180	190	191	100	from he	15 v	tons Tune	1000
20000	Tolima, * q, s, Colombia 5	0	0				. 1	7	3 0	4	3 Ang	1880
25000	Tolima, g, s, Colombia 5 Victoria* (London), g, Australia 1 Western Andes, s, Colombia 5	0	0				. 0	13	114 0	0	714.June	1970
15000	Western Andes, s, Colombia 5	0	0				. 2	18	0 0	2	6 Ang	1000
2100	W. Prussian (5500 pref. sh. £10 pd.) 10	0	0	1034	10 1	014	3	6	0 0	8	O Out	1000

§ Have made calls since last dividend was paid.

### NON-DIVIDEND BRITISH MINES.

Share	Asberllyn,* l, bl, Carnarvon Assheton, l, Carnarvonshire* Bedford Unit.,* c, Tavis (£1 liab.) Bedford Unit.,* c, Tavis (£1 liab.) Bedowda*, t, Roche Bendigaid, s-l, Wales Bendigaid, s-l, Wales Bendigaid, s-l, Wales Bendigaid, s-l, Cardigan Bodietris,* c, be, Denbighshire Botallack, l, bl, Cardigan Bwich United,* l, bl, Cardigan Bwich United,* l, Cardiganshire Carn Cambrian,* s-l, c, Cardiganshire Carn Cambrian,* s-l, c, Cardiganshire Carnarvon,* c, Carnarvonshire Central Foxdale, l, I of Man(£2 sh.) Clementina, l, Lianrwst*. Coed Mawr Pool,* l, Carnarvon Cook's Kitchen, t, Illogan† Crook Burn,* l, Cumberland Crosswood Mining Lands, l* Cwm Dwyfor,* c, s-l, Carnarvon Deep Level, l, Flintshire D'Eresby Consols, l, bl, Carnarvon D'Eresby Mountain, l, bl, Llanrwst.	I	aid.	L	st wk. Clos pr.
25600	Aberllyn,* l, bl, Carnarvon	1	0	0	1 24 1
12000	Assheton, I, Carnarvonshire*	5	0	U	23 20 23
11583	Bedford Unit., * c, Tavis (£1 liab.)	0	6	0	
25000	Belowda*, t, Roche	1	0	0	11/2 1 11/2
600	Bendigaid, s-l, Wales	10	0	0	
30000	Bettws-y-Coed, * (20000 sh. issued)	7	0	0	
20000	Blaen Caelan, 1, Cardigan	3	0	0	136 177 137
90000	Potallarly t a St Tuet?	31	10	0	13611/6 13/8
10000	British e./ Wrayham	2	0	0	214 2 214
20000	Payloh United # / Cardigan	1	ñ	0	2½ 2 2½ 32½ 2½ 2½2½ 2½ 3½ 3 3½
50000	Cambrian * s.l. c. Cardiganshire	2	ŏ	0	214 21/ 21/
6000	Carn Camborne, t. c. Camborne	ō	2	6	314. 3 314
20000	Carnaryon, * c, Carnaryonshire	1	0	0	1 34 1
20000	Central Foxdale, I, I of Man (£2 sh.)	1	17	6	
5120	Clementina, 4, Llanrwst*	1	0	0	34 3/2 3/4
25000	Coed Mawr Pool,* I, Carnarvon	2	0	0	
6000	Combmartin, s-l, North Devon	1	0	0	10% 10 11
2450	Cook's Kitchen, t, Illogant	29	4	9	101/2 10 11
15500	Court Grange United, 8-6	1	0	0	1/2 5/8 7/8
14000	Crook Burn, 1, Cumberland	1	5	0	383/16 7/16
15000	Crosswood Mining Lands, to	1	0	0	11/2 1 1/2
20000	Doon Level / Flintshine	î	0	0	134 1 134
1280	D'Freshy Consols / Al Carnaryon	10	0	0	A74 1 174
1536	D'Ereshy Mountain & ht Llanewet	20	0	0	50 40 50
20000	Doubighabiro Consolidated # /	3	0	0	3 2 3
12000	Derwent,* l, Durham  Devon,* c, bl, Tavistk, (125000 iss.)  Devon Great United* (2l.)  Devonshire, * -l, Lydford  Dubby Syke, l, Durham*	4	0	0	21/4 2 23/4
1000000	Devon. * c. bl. Tavistk. (125000 iss.)	0	1	01	
12000	Devon Great United* (21.)	1	0	0	8, 7d 1s. 8d. 2¼2½ 2¾ 1¼ 1 1¼ ½5½ 7¼ 1½1½ 1¾ 2¼ 2 2¼ 1½1¼ 1½ 1½1¼ 1½
20000	Devonshire, * s-l, Lydford	1	0	0	11/ 1 11/4
10000	Dubby Syke, I, Durham*	0	17	6	1/2 5/16 7/16
6000	East Botallack, t, St. Just	0	2	0	11/41/2 1/4
6144	East Caradon, c, St. Cleer	3	9	6	21/4 2 21/4
4000	East Chiverton, I, Perranzabuloe	9	14	9	1%1% 1%
12000	East Crebor, c, Tavistock	0	7	6	
15000	East Devon Cons., c, Buckfastigh.	2		0	31/827/8 31/8
21000	East Roman Gravels, 4, Salop	0	10	0	21/8 17/8 21/8
18000	Fast Wheel Buller t c Gwennen	0	10	0	1 1/8 1 21/8 1/8 21/8 11/4 11/8 13/8
1114	Fast Wheal Levell t Helston	1 4	8	6	11/411/8 13/8
10000	Dubby Syke, t, Durham"  East Botallack, t, St. Just  East Caradon, c, St. Oleer;  East Chiverton, t, Perranzabuloe  East Crebor, c, Tavistock  East Devon Cons., c, Buckfastigh  East Roman Gravels, t, Salop  East Yan, t, Llandloes*  East Wheal Buller, t, c, Gwennap  East Wheal Lovel, t, Helston  Edgcumbe, ms, Cornwall	1	0	0	-74 173 174
30000	Flintshire Great Consols*	i	Ŏ	0	
10000	Flintshire Great Consols*  Fortescue,* var, St. Stephens Gawton,* c, Tavistock (2l. shares) Glenroy, *s-l, Isle of Man  Gover Consols t St. Austell	1	0	0	21/421/4 21/4 11/4 1 11/4 11/4 1/4 3/4
12000	Gawton, * c, Tavistock (21, shares)	1	12	6	11/4 1 11/4
14000	Glenroy, * s-l, Isle of Man	4	0	0	3/4 1/2 3/4
10000	Glenroy, * s-t, Isle of Man Gover Consols, t, 8t. Austell Great Dyliffe* (10000 sh. issued) Great Holway, * t, Flintshire Griffin, * s-t, Carnarvon. Gwern-y-Mynydd, * s-t, Flintshire. Harchope Gill, * t, Durham (£t sh.) Hartington Moor, * carb. t, Derby. Harwood, * t, Durham Herodsfoot, t, near Liskeard; Hingston Down, c, Calstock*	0	10	0	78/16 -/16
20000	Great Dyliffe* (10000 sh. issued)	1	0	0	51/4 4 5
12000	Great Holway, t, Fintshire	1	0	0	51/2 45
20000	Common w Margardd # a / Phintshire	4	0	0	91/ 2 21/
10000	Harehone Gill # / Durham (21 sb.)	0	5	0	31/2 3 31/2
10000	Hartington Moor * earh ! Dorby	1	1	0	11/2 1 11/4
6400	Harwood,* l. Durham	Ô	15	0	18 18.
12000	Herodsfoot, l. near Liskeardt	0	8	9	7/9
18000	Hingston Down, c, Calstock*† Indian Queens Cons., t, St. Columb.	0	7	0	11/4 1 11/4 21/4 2 21/4
15000	Indian Queons Cons + St Columb	1	0	0	21/4 2 21/4
6000	Killifreth, t, Chacewater	3	15	U	36 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
15000	Lady Ann, s-l, Llanarmon	1	0	0	11/2 1 11/2
30000	Lady Ashburton, * s, Callington	1	0	0	1331 1 136
15000	Lady Bertha, * c, Tavistock	0	12	6	11/211/4 11/4
12000	Ladywell, 4, Balop (12000 pri. also)	2	10	0	
5000	Lead Era, " 1, Mold	11	10	0	10 14 10
2500	Levant, c, t, St. Just	1	0	0	15 14 15
10000	Louist & Wondron	0	16	0	11/8 1 1/8
5120 15000	Lady Ann, s-t, Lianarmon Lady Ashburton, *s, Callington Lady Bertha, *c, Tavistock Ladywell, *t, Salop (12000 prf. also) Lead Era, *t, Mold Levant, c, t, St. Just Lomax, s-t, Helston Lovell, t, Wendron Llandsgla, *t, Lianarmon	1	0	0	15 14 15 1½ 1 1½ 1¼1¼ 1¾ 1¼ 1 1¼
30000			0	0	* 74 1 174
7500	Ditto, 10 per cent, pref	2	ő	0	
9000	Marke Valley, c, Linkinhorne!	5	13	6	2 13/ 2
1800	Mawston, * 1, South Wales	1	0	0	2 1 ½ 2 1½ 1 1½
6000	Medlyn Moor, t, Wendron	3	15	10	
23000	Mid-Devon, * c (& 17000, 3s. 4d. pd.)	0	6	8	3/8 1/4 3/8
8000	Mineral Corporation of Gt. Britain*	10	0	0	
20000	Mostyn Consols, * s-l, Flint	1	0	0	11/8 7/8 11/8
10000	Mynydd Gorddu, I, Cardigan*	3	12	6	4 314 4
25000	Moray Firth (18000 Issned)	2	0	U	4 31/2 4
12000	Mount Carbin t a Radguth	0	10	0	11/8 7/8 11/8 31/421/4 31/4
6144	Lianrest, * t, Carnaryon Ditto, 10 per cent. pref. Marke Valley, c, Linkinhorne; Mawston, * t, South Wales Medlyn Moor, t, Wendron Mid-Devon, * c (& 17000, 3s, 4d, pd.) Mineral Corporation of Gt. Britain* Mostyn Consols, * s-t, Flint Mynydd Gordds, t, Cardigan* Moray Firth (18000 issned) Morfa Du, s, g, s, Angleseas* Mount Carbis, t, c, Redruth New Bengfloyd, * s-t, Cardig (£5 sh.)	0		0	3/46/4 3/4
4678	New Bronnoyd, s-t, Cardig. (£5 sh.)	3	16	0	
12000	New Cook's Kitchen & Illowen	7	14	0	71/2 7 71/2
2400	NEW COOK & BUTCHER, C, INCHAIL	-		0	1/2 1 1/2
	New Dolcoath, t. c. Cambornes				
8000	New Bronfloyd,* s-l, Cardig.(£5 sh.) New Cathedral,* c, t, Gwennap New Cook's Kitchen, t, Illogan New Dolcoath, t, c, Camborne* New Kitty, t, St. Agnes	3	0	0	

NON-DIVIDEND MINES

61	NON-DIVIDEND MINES		oon	tinu	ed
Share 12000	New Penrose * t c Helston (12 a)	2.5	ua.	La	t wk. Ch
3500	New Penrose, * t, c, Helston (1l. sh). New Tincroft, * t, Lelant	0	5	0	36 Clos
6000	New West Caradon, c, Liskeard	6	0	0	- 4
3000	New Wheal Peevor, t, Redruth	0	10	0	3/2 5/
35000	New Wye Valley, I, Montgomery.*	1	0	0	112 21
10000 12000	New West Caradon, c, Liskeard New Wheal Peevor, b, Redruth New Wye Valley, t, Montgomery, w. N. D'Eresby Mount., *t, bt, Carnarv North Herodsfoot, t, Liskeard North Levant, t, c, St. Just; North Molton, *c, mn, *t, Devon. North Penstruthal, t, c, Gwennap. North Preskerby, c, St. Agnes Norther, *t, Durham Pandora, *t, Carnarvon. Panty-Mwyn. *t, Mold	1	0	0	11/2 1
2000	North Levant, t, c, St. Just?	0	5	0	34. 1
50000	North Molton, * c, mn, 1, Devon	13	6	0	6 5
6000	North Penstruthal, t, c, Gwennan	1	5	0	17."
2936	North Treskerby, c, St. Agnes	8	17	10	1%1%
8000 12000	Pandora.* 1. Carnaryon	1	0	0	11/6"
11612	Pandora,* l, Carnaryon Pant-y-Mwyn,* l, Mold	2	0	0	136 1
20000	Payka Minas Convole & St. Calumi	1	0	0	21/2176
6000	Parracombe, s-1, Devon	Ô	5	0	2 134
45000 7500	Parracombe, s-l, Devon	1	0	0	11/6 1
7500 15000	Ditto (also 7500 sh. not less	1	0	0	
6000		0	19	0	- " %
600	Pendarves United, c, Camborne	9	0	0	2 134
12000	Pendarves United, c, Camborne Pen-yr-Orsedd, * l, Flintshire Plynlimmon, l, Llanidloes*	1	0	0	11. 8
12000	Plynlimmon, I, Llanidloes*	2	0	0	175 11
10000	Port Nigol * s./ Carnaryonshina	0	10	0	2 "
12000	Prince of Wales, c. s. Calstook	2	0	0	21/2 2
50000	Prince of Wales, c, s, Calstock So. Cambrian, * l, Cardiganshire	0	7	6	1 3
30000	South d'Eresby Mountain,* 1	1	0	0	141%
35000	So. Devon Unit.,* c, Buckfastleigh.	î	0	0	11/2 11
6000	South Penstruthal, t,c, Gwennap South Roskear, t, c, Camborne	1	0	0	3/ 11
6000	South Tolcarne t c Camborne	8	5	0	74 %
40000	South Wheal Crebor*, c. Taylstock	3	19	0	11/2 1
2043	South Tolcarne, t, c, Camborne South Wheal Crebor*, c, Tavistock. South Wheal Crofty, c, Illogan St. Just United, Cornwall Talybont, *s-l, Cardiganshire Tamar, s., Bearalston*	17	17	0	11/21/
4000	St. Just United, Cornwall	2	10	0	5 104
30000	Talybont, * s-l, Cardiganshire	1	0	0	45
6400	Teesdale, * I Durban (prof.)		0	0	134. 11
6400	Temple, * l, Cardigan	1	C	0	1/4 3/
5000	Treleigh Wood, t, Redruth	6	0	0	11/2 1
12000	Taman, s.l., Bearalston* Tesdale, s.l., Cardigan Temple, s.l., Cardigan Treleigh Wood, t., Redruth Trevince Consols, t. c., Gwennap		5	0	11/"
6000	Trugo, c, St. Columb. Trugo, c, St. Columb. Trugo, c, St. Columb. Trugo, e, Nerquis, Flintshire. Tyn-y-Fron, t, Cardiganshire. Un. Van & Glyn, * l, (& 41500 other sh. Vaughan, * l, Cardiganshire Victor, * l, Cilcen, Flintshire Vincent, * t, Altarum. Wast Assheton, l, Carnavion.	0	4	0	3/4 1
10000	Truro,* 1, Nerquis, Flintshire Tyn-y-Fron,* 1, Cardiganshire	10	0	0	- 111
11000	Un. Van & Glyn. * 1. (& 41500 others)	1 2	0	0	1%1
1000	Vaughan, * 1, Cardiganshire	10	0	0	14 1/4
18000	Victor, * 1, Cilcen, Flintshire	0	11	0	14"
15000	Wort Assector / Communication	1	0	0	1% %
12000 6000	West Assheton, l, Carnaryon	- 1	0	0	13414
3000	W. Craven Moor, & Pateley Brdge*	10	6	0	2 1
10240	West Devon Consols, c. Calstock	10	0	0	13 3
10000	West Godolphin, t, c, Breage	Ô	10	0	2 414
12000	West Godolphin, t, c, Breage West Holway,* l, Flintshire	1	0	0	13/ 11/
6000	West Kitty, t, St. Agnes	0	9	0	234. 216
20000	West Mary Ann. " / Menhanist	1	0	0	11/4 1
3000	Westminster United, Llanarmon	5	2	6	1%1
20000	West Pateley Bridge, * l, Yorkshire.	1	0	0	- "
12000	West Phoenix, t, c, Caradon	0	6	8	21/2 12/
5190	West Vor t a deep B	5	5	0	21/2 2
10000	West Wheal Frances t Illegant	20	0	0	
3000	West Wheal Peevor, t, Redruth	29	6	3	11 11
1000	West Vor, t, c, ars-m, Breage. West Wheal Frances, t, Hiogan! West Wheal Peevor, t, Redruth West Wheal Towan, c, t, Hiogan West Wye Valley, t, Montgomery. Wheal Agar, c, Hiogan!	25	0	6	171/2163
12000	West Wye Valley, * 1, Montgomery.	3	0	0	34. 1
6000	Wheal Bagert a Illogan	14	0	0	614 6
6144	Wheal Costes United * t St Agnes	34	12	6	614 5
2585	W.Comford, & No. Tres. c. Gwennen	0	12	6	31415
15000	W.Comford, & No. Tres., c, Gwennap Wheal George, ** l, bl, Carnarvon Wheal Grenville, t, Camborne	1	0	0	11/ 11/
6000	Wheal Grenville, t, Camborne	15	0	0	101410
12288	Wheal Jane, t. Kea!	1	5	8	1 5
12000 25000	Wheal Jewell, c, St. Hilary. Wh. Hony and Trelawny, s-l, Lisk.	0	11	0	1 3
2000	Wheal Owles, t, St. Just	7	0	0	214214
6000	Wh. Prussia, & Cardrew, t,c, Rdrth	1	10	0	14 7
12000	Wheal Russell, c, Tavistock	2	1	6	-/4 1
6000	Wheal Russell, c, Tavistock	2	15	0	21/411/
4096 24000	Ystwith, * I. Cardigan	15	16	0	3 18 3 1
a 1000	accurate of conseignit monomina	1	0	0	11/2 1

bl, blende; c, copper; g, gold; l, lead; s, silver; sl, slate
s-l, silver-lead; l, tin; z, zinc; l, iron; a, arsenle.
\* Limited Liability Companies; † quoted on the Stock Excla

### NON-DIVIDEND FOREIGN MINES; FOREIGN AND MISCELLANEOUS STOCKS; TRAMWAYS; INSURANCE COMPANIES; GAS, IRON AND COAL, WAGON COMPANIES, &c.

NON-DIVIDEND FOREIGN	M	IN	ES.	1
Shares.	1	Pana	. Clos.	pr.
10000 Anglo-Espana, sul (& 5000 sh. 10l.) 15000 Birdseye Creek, g, California* 30000 Blue Tent, hyd, California 40000 Brazilian, g, *Brazil 10000 Buena Ventura, *l, Spain (£2 sh.).	2		0 013% 0 2	15%
15000 Canada, * g, Canada	1 4 5 1 1	0000000	01%	
90000 Consolidated Mining	1	0	021/4 03/6 021/4 03/8	2¾ %
20000 English Australian, g, Victoria* 100000 Exchequer, g, g, California*† 100000 Frontenac,* l, Ontario, Canada 10000 Hornachos,* s-l, Spain 10000 Hornachos,* s-l, Spain 10000 Holdan Harmoth,* g, Chulimulia 150000 Indian Mammoth,* g, Chulimulia 150000 Indian Mammoth,* g, Wynaad 100000 Isabelle, g, s, California* 100000 Isabelle, g, s, California* 100000 Isavali, g, Nicaragua* 100000 Kapanga,* g, New Zealand 100000 Kapanga,* g, New Zealand	1 10 5 1 0 0 1 1 2 1	000000550000	0 3/4 0 10 0 10 0 1/4 0 1/63/1 0 1/63/1 0 1/63/1 0 1/63/1	% 11 1% 6pm
65000 London and California, g*11	5 10 1 1 1 1 4 4 3 1	000009000000000000000000000000000000000	0 10 1/2 0 0 1 1 0 0 4 1/4 0 5/15 0 21/8 0	11 % 5% 7/16
100000 Rossa Grande, g, Brazil* (£1 sh.). 25300 Ruby and Dunderberg, g, Nevada* 200 Ditto (10 per cent. deb. conv.) 24022 San Pedro.* c. Chili	10 50	0 0 0 0 12	0 ½ 0 7 7 0 6	X %
100000 Bo. Indian, g. Madras (fully paid) 100000 South-East Wynaad, g. India 43174 United Mexican, 1, Mexico 50000 Virneberg, c. Rheinbreith, Ger. 1, 75000 Yorke Peninsula, c. 80. Australia., 54800 Yorke Pen., c. Bouth Aust. Pref	1 29 2	005000	0 2 3 0 13/4 323/4 015/8	2 2¾ 1¾ 1½ 1½
GAS COMPANIES.  Issue, Shares. 5000. 20Bahia [L]	F	W, all.	Clos. 15	pr. 16

GAS COMPANIES.	
Issue, Shares, Pd.	Clos. pr.
Issue, Nacres. Pd. 5000 20Bahia [L] all	15 16
13000 5Bombay [L] all	534 634
10000 5 Ditto, New [L] 4	3/ 3/ pm
29700StkBrentford Consolidated100	152 156
14000 20British all	34 36
550000StkCommercial	189 194
20000 20 Continental Union [L] all	21 22
20000 20 Do. do. New, 1869, 1872 14	par 1 pm
10000 20 Do. do. 7 per ct. Preference all	24 16 25 16
23406 10European [L] all	19 20
94850 .8tk Gaslight and Coke, A. Ord 100	176 181
50000 10 Ditto, 4th issue all	
50000 10 Ditto, 5th issue	16% 17%
284200Stk Do, 4 per cent. Deb. Stock100	103 105
5000 10 Hong Kong and China all	1456 1556
2800000 .StkImperial Continental	184 189
3865008tkLondon	182 187
12000 5 Malta & Mediterranean (L) all	2 2 5 6
100000 Metrop. of Melbourne 6 p.c. Deb	103 105
25000 20 Monte Video [L]	16 17
10000 5Ottoman [L] all	2 256
30000 5Oriental [L] all	736 736
27500 20Rio de Janeiro [L] all	24 26
500000Stk Bouth Metropolitan, A100	202 207
50000Btk Ditte, ditto, B100	181 186

		INSURANCE COMPANIES.
Issue.		
50000	100	Alliance British and Foreign 11 3414 3514
10000	100	Ditto, Marine
50000	30	British and Foreign Marine [L]. 4 17 18 pm
550000	50	Commercial Union 5 19 21 pm
0000	50	
5000	20	
27500	100	Globe Marine [L] 11 2 2 4 dis
13453	100	Imperial Life 10 22 24
100000		Indemnity Marine 50 105 107
49626	10	Lion Fire [L] 2 2½ 3½
	20	L'pool & Lond, Globe (£1 annty) 2 19 19 19 14 London 12 14 63 65
35862	25	London 63 65
40000	25	London and Lancashire Fire 22424 472 pm
50000	20	London and Provincial Marine 2 23/4 33/4 pm
10000	100	Marine 18 89 92
50000	10	Merchants' Marine 2 11/4 1/4 dis
50000	10	Maritime 2 5½ 5½ nm
40000	50	North British and Mercantile 834 60 62
30000	100	Northern 5 49¾ 50¾
40000	25	Ocean Marine 5 21/2 3 pm
		Phænix Fire
200000	10	Queen 1 .2¼3¼pmxd
100000	10	Railway Passengers 29s 7 8
200000	5	Railway Passengers 29s 7 3
50000		Rock Life 381/2
125000		Sea 2 3 3 1/4
	10	Scottish Commercial 1 1 % 2%
4000	20	Standard Marine 4 7 71/8
10000	20	
40640	20	Union Marine, Liverpool [L] 5 7 7½ pm
50000	20	Universal Marine [L] 3 6½ 7 pm
		-
		BANKS.
100000	10	Agra [T.] all 103/ 113/

		-
		BANKS.
100000	10	Agra [L]all 10½ 11½
80000	20	Anglo-Egyptian Banking [L] all 28 29
30000	40	Bank of Australasia all 79 81
12500	20	Bank of British Columbia all 161/2 171/2
20600	50	Bank of British North America., all 54 56
10000	25	Bank of Egypt all 28 30
50000	20	Bank of New South Wales all 57 59
100000	10	Bank of New Zealand all 211/2 221/2
25000	25	Bank of South Australia all 421/2 431/2
20000	50	Bank of Victoria 25 36 38
40000	20	Chartrd. of Ind., Aust., & China. all 22 23
30000	25	Ch. Merc, of Ind., Lond., China, ali 21 22
20000	100	Colonial 30 58 60
50000	20	English Bk. of Rio de Janeiro [L] 10 2 21/2 pm
60000	25	London and River Plate [L] 10 3 3½ pm
50000		London and San Francisco [L] all 6½ 7
50000	20	London Chartered of Australia all 21 22
100000	11	National Bank of N. Zealand [L] 31/21/2 dis par
60000	25	Oriental Bank Corporation all 191/2 201/2
12500	10	Queensland National [L] 5 734 834
34000	100	Stndrd. of British So. Africa [L]. 25 551/2 561/2
50000	25	Union of Australia all 65½ 66½

FOREIGN AND MISCELLANEOUS STO	OCKS.
Closing	prices.
Argentine, 1868, 6 per cent 96	
Bolivia, remnants 2	2 232
Brazilian, 1865, 5 per cent 97	00
Chilian, 1866, 7 per cent	105
City of Melbourne, 5 per cent., 1896-1907105	107
City of Ottawa, 6 per cent. Sterling109	111
City of Providence, 5 per cent. coupon bonds105	107
City of Quebec 6 p. cent. Con. Fnd. Stg Loan.111	
City of Toronto, 6 p. ct. Stlng. Bnds, 1897-1904.110	
Egyptian Government pref 93	931/6
Ditto, Unified Debt 68	66 14
Ditto, 7 per cent. V.M.L.	-
Ditto, 9 per cent. guaranteed	erests.
Ditto, K. Daira Sanieh 73	36 7436
Foreign and Colonial Gov. Trust, preferred112	114
Ditto, 5 per cent., deferred112	115
Peruvian, 1870, 6 per cent 17	16 13
Ditto, 1872, 5 per cent	14 16
Russian, 5% per cent. L. Mort	75 40
Spanish, Quicksilver, Mort. 5 per cent102	104
United States Mort. 6 per cent107	109

Startes		RON ANI				ES.		
15   Albion Steel and Wire Co. [L]   14   0       5   Alitami Colliery Co. [L]   5   0   3   4     1   Ditto, 6 per cent. pref.   1   0   3/4   1     10   Ashbury Co. [L]     90   0   51   43   dis     3   Bagnall, John, and Sons [L]   3   0   1/4   1/4     50   Bilbao Iron Co. [L]     50   0   27/2   27/2     50   Bilbao Iron Co. [L]     50   0   22/3   27/2     50   Bilbao Iron Co. [L]     50   0   22/3   3     50   Bolckow, Vaughan, & Co. [L]   A   12   0   4/4   5 pm     50   Brown, John, and Co. [L]     70   0   11   10/4     10   Brown, John, and Co. [L]     70   0   11   10/4     10   Brown, John, and Co. [L]     70   0   11   10/4     10   Cammell and Co. [L]     80   0   8/4   7/4     10   Cammell and Co. [L]     80   0   8/4   7/4     10   Cammell and Co. [L]     80   0   8/4   7/4     10   Cammell and Co. [L]     80   0   8/4     10   Cammell and Co. [L]     80   0   8/4     10   Cammell and Co. [L]     80   0   8/4     10   Cammell and Co. [L]     80   0   3/4     10   Cammell and Co. [L]     80   0   3/4     10   Consett Spanish fron & Stl. [L]   10   0   1   1/2     10   Challington Iron Co. [L]     50   0   3   4     10   Consett Iron Co. [L]     50   0   7   7/4     10   Consett Iron Co. [L]     10   0   4   4/5     10   Consett Forn Co. [L]     10   0   4   4/5     10   Davilington Iron Co. [L]     10   0   4   4/5     10   Davilington Iron Co. [L]     20   0   9/4   9/5     10   Fox, Samuel, and Co. [L]     20   0   9/4   9/5     10   Fox, Samuel, and Co. [L]     20   0       10   Fox, Samuel, and Co. [L]     20   0       10   Monkland Iron & Co. [L]     10   0   2/4   2/4     10   Monkland Iron Co. [L]     10   0   2/4   2/4     10   Monkland Iron Co. [L]     10   0   2/4   2/4     10   Monkland Iron Co. [L]     10   0   3/4   3/4     10   Northfield Iron Co. [L]     10   0   3/4   3/4     10   Northfield Iron Co. [L]     10   0   3/4   3/4     10   Shepbyrdge		Comp	iny.					Ala.
5 Alitami Colliery Co. [L]	15 Albie	on Steel and	Wire Co.	[L] 14	A	30	29	ais
Ditto, 6 per cent. pref.	5 Allta	mi Colliery	Co. [L]	5	0		4	
10 Benhar Coai Co. [L]	1 Ditt	o, 6 per cent	. pref	1	0	34		
Bennar Coal Co.   Inj.   10	3 Bagg	oury Co. [L]	ra gone F	90	0	51		dis
So Bilson & Crump Mow Coli [L] 10	10 Ben	par Coal Co.	(L)	10		11/8		
Bilson & Crump Mdw Coll [L] 10	SO BILD	to from Co. I.		50		271/4		
So Brown, Balley, and Dixon [L] 40	50 Bilse	n & Crump	Mdw Coll	[L] 10	0	234	3	
3	50 Broy	n. Railey a	nd Divon	TL1 40		23	5 P	dia
3 Oakemore, Cseway, Grn. ord.sh. 3 0	100 Brow	n, John, an	d Co. [L].	70	0			
3 Ditto (7½ per cent. pref.)					^		_	
Cammell and Co. [L]   30	3 Ditt	o (71/2 per ce	nt. pref.).	3	0		-	
10 Central Swedish Iron &Stl.[L] 10 0 1 1 1½ 5 Chapel House Colliery 5 0 3 4 5 Charlton Iron Co. [L] 50 0 3 4 10 Charlton Iron Co. [L] 50 0 7 7½ 10 Chillington Iron Co. [L] 10 0 4 4½ 10 Consett Iron Co. [L] 10 0 4 4½ 11 Consett Iron Co. [L] 11 0 3½ ½ pm 1 Consett Iron Co. [L] 11 0 3½ ½ pm 1 Consett Spanish Ore [L] 1 0 3½ ½ pm 1 Consett Spanish Ore [L] 1 10 32 33 dis 20 Darlington Iron Co. [L] 13 10 14½ 14 dis 20 Darlington Iron Co. [L] 22 0 9 9½ 93½ dis 20 Darlington Iron Co. [L] 20 0 9½ 93½ dis 21 Davy Brothers [L] 22 10 4 4½ pm 23 Eibbw Yale Co. [L] 20 0 9½ 93½ dis 25 Davy Brothers [L] 22 10 3 3 3½ 26 Knowles, Andrew, and Co. [L] 20 11½ 11¾ dis 26 Liay Hail Coal, Iron, &c. [L] 20 11½ 11¾ dis 27 Liynvi and Tondu [L] 20 0 6½ 6½ 28 Marbella Iron Cr. [L] 10 0 2½ 2½ 29 million Monkland Iron & C. [L] 10 0 2½ 2½ 20 Midland Iron Cr. [L] 10 0 2½ 2½ 20 Midland Iron Cr. [L] 10 0 2½ 2½ 20 Monkland Iron & C. [L] 10 0 35½ 36½ 3 Nerbudda Coal and Iron [L] 2½ 1½ 1½ dis 3 Nerbudda Coal and Iron [L] 2½ 1½ 1½ dis 3 Nerbudda Coal and Iron [L] 2½ 1½ 1½ dis 3 Palmer's Shipbidg. & Iron [L] 35 0 7½ 65½ dis 3 Palmer's Shipbidg. & Iron [L] 35 0 7½ 65½ dis 3 Palmer's Shipbidg. & Iron [L] 35 0 7½ 65½ dis 3 Palmer's Shipbidg. & Iron [L] 35 0 7½ 65½ dis 3 Palmer's Shipbidg. & Iron [L] 35 0 75 65½ dis 3 Palmer's Shipbidg. & Iron [L] 35 0 75 65½ dis 3 Palmer's Shipbidg. & Iron [L] 35 0 75 65½ dis 3 Palmer's Shipbidg. & Iron [L] 35 0 75 65½ dis 3 Palmer's Shipbidg. & Iron [L] 35 0 75 65½ dis 3 Palmer's Shipbidg. & Iron [L] 35 0 75 65½ dis 3 Palmer's Shipbidg. & Iron [L] 35 0 75 65½ dis 3 Palmer's Shipbidg. & Iron [L] 35 0 75 65½ dis 3 Palmer's Shipbidg. & Iron [L] 35 0 75 65½ dis 3 Palmer's Shipbidg. & Iron [L] 35 0 75 65½ dis 3 Palmer's Shipbidg. & Iron [L] 35 0 75 65½ dis 3 Palmer's Shipbidg. & Iron [L] 35 0 75 65½ dis 3 Palmer's Shipbidg. & Iron [L] 35 0 75 65½ dis 3 Palmer's Shipbidg. & Iron [L] 35 0 75 65½ dis 3 Palmer's Shipbidg. & Iron [L] 35 0 75 65½ dis 3 Palmer's Shipbidg. & Iron [L] 35 0 75 65½ dis 3 Palmer's Shipbidg. & Iron [L]	20 Can	mell and Co	. [L]		^		734	
Chaptel House Colliery	10 Cent	ral Swedish	Iron &Stl.	[L] 10	0		11/2	4119
50 Charlton fron Co. [L]	5 Chap	pel House Co	lliery	5	0		-/3	
10 Consist Fron Co. [L]	50 Chai	Iton Iron Co	. [L]	50	0	3	4	
10 Consett Iron Co. [L]	10 Chill	ington Iron	Co. L.	10		4		1
Source   S	10 Cons	ett Iron Co.	[L]	7	10	141/2		pm
20 Darlington Iron Co. [L]. 18 10 14½ 14 dis 50 Davy Brothers [L]. 22 10 4 4½ pm 23 Ebbw Vale Co. [L]. 20 0 9½ 9½ dis 100 Fox, Samuel, and Co. [L]. 20 0 3½ 9½ dis 100 Fox, Samuel, and Co. [L]. 20 0 3 3 3½ 50 Knowles, Andrew, and Co. [L]. 20 0 11½ 11¾ dis 10 Llay Hail Coal, Iron, &c. [L]. 10 0 20 6 6¼ 6½ 10 Liynvi and Tondu [L]. 20 0 6 6¼ 6¾ 10 Liynvi and Tondu [L]. 20 0 6 6¼ 6¾ 10 Midland Iron Co. [L]. 10 0 2½ 2½ 10 Midland Iron Co. [L]. 10 0 2½ 2½ 10 Midland Iron Co. [L]. 10 0 2½ 2½ 10 Midland Iron Co. [L]. 10 0 2½ 2½ 10 Midland Iron Co. [L]. 10 0 3½ 2½ 10 Northydda Coal and Iron [L]. 2½ 1½ 1½ dis 10 Northield Iron Co. [L]. 10 0 6½ 7 10 Northheld Iron Co. [L]. 10 0 6½ 7 10 Northheld Iron Co. [L]. 10 10 6½ 7 10 Northheld Iron Co. [L]. 3 10 3 3½ dis 10 Parkgate Iron Co. [L]. 3 10 3 3½ dis 10 Parkgate Iron Co. [L]. 3 5 0 7½ 6½ dis 10 Parkgate Iron Co. [L]. 3 5 0 7½ 6½ dis 10 Parkgate Iron Co. [L]. 3 5 0 7% 6½ dis 10 Patent Nut and Bolt [L]. 17 10 3½ 5 dis 10 Rymney Iron Co. [L]. 50 0 20 22 10 Sandwell Park Colliery Co. [L] 10 0 16½ 17 10 Shotts Iron Co. [L]. 50 0 70 75 10 Shetts Iron Co. [L]. 50 0 16 18 18½ pm 10 Shotts Iron Co. [L]. 50 0 16 18 18½ pm 10 Shotts Iron Co. [L]. 50 0 16 18 18½ pm 10 Staveley Iron and Coal [L]. 80 0 16 18 18½ pm 10 Ditto ditto B. 25 0 21 22 10 Ulverston Mining Co. [L]. 16 0 14 13 dis 10 Vickers, Sons, and Co. [L]. 10 0 14 13 dis 10 Vickers, Sons, and Co. [L]. 10 0 0	1 Cons	ett Spanish	Ore [L]	1	0	3/8	1/2	pm
100 Fox, Samuel, and Co. [L]	20 Darl	e, William,	Co. [L]	10				
100 Fox, Samuel, and Co. [L]	50 Day	Brothers []	[1]	22		4		
100 Fox, Samuel, and Co. [L]	23 Ebby	v Vale Co. [1	[1]	20		93%		
50 Knowles, Andrew, and Co. [L] 22 0 11½ 11¼ dis 10 Liay Hail Coal, Iron, &c. [L] - 2 0	100 Fox,	Samuel, and	1 Co. [L] .	80		-		
10 Llay Hail Coal, Iron, &c. [L] — 10 0 64 634 10 Llydney & Wigpool Iron Ore [L] 20 0 64 634 11 Lydney & Wigpool Iron Ore [L] 20 0 64 634 11 Lydney & Wigpool Iron Ore [L] 20 0 64 634 11 Midland Iron Co. [L] 10 0 24 224 pm 10 Midland Iron Co. [L] 10 0 24 224 pm 10 Monkland Iron & Coal Co. [L] 10 0 24 224 pm 10 Monkland Iron & Coal Co. [L] 10 0 24 224 pm 10 Northy Iron Coal Co. [L] 10 0 25 36 36 36 36 30 Nerbudda Coal and Iron [L] 24 14 14 31 36 10 Newport Abercarn Coal Co. [L] 10 0 65 7 10 Northmept. Coal, Iron, &c. [L] 8 0 11 3 34 dis 35 Paimer's Shipbldg, & Iron (L] 35 0 74 64 34 dis 35 Paimer's Shipbldg, & Iron (L] 35 0 746 64 34 dis 35 Paimer's Shipbldg, & Iron (L] 35 0 746 64 34 dis 37 Paimer's Shipbldg, & Iron (L] 35 0 746 64 34 dis 37 Paimer's Shipbldg, & Iron (L] 35 0 746 64 34 dis 37 Paimer's Shipbldg, & Iron (L] 35 0 746 64 36 34 34 pm 20 Patent Nut and Bolt [L] 17 10 55 5 5 dis 50 Rhymney Iron Co. [L] 50 0 20 22 10 Sandwell Park Colliery Co. [L] 10 0 164 17 10 Shotts Iron Co. [L] 50 0 20 22 10 Shotts Iron Co. [L] 50 0 20 22 10 Shotts Iron Co. [L] 50 0 20 22 10 Staveley Iron and Coal [L] 80 0 16 15 12 dis 50 Shomerostro Iron Co. [L] 50 0 20 20 20 20 20 20 20 20 20 20 20 20 20								
10 Lydney & Wigpool Iron Ore [L] 9 5 9 8 dis 10 Marbella Iron Ore Co. [L] 10 0 2¼ 2½ 10 Midland Iron Co. [L] 5 0 2 2½ ypm 14 Mwyndy Iron Ore [L] 5 0 2 2½ ypm 15 Monkland Iron & Co. [L] 10 0 2½ 2½ 16 Mwyndy Iron Ore [L] 3 15 2 1½ dis 17 Narby-Glo & Blaina (8 p.c. prf.) 100 0 35½ 36½ 18 Newport Abercarn Coal Co. [L] 10 0 6½ 7 10 Northmeth Coal, Iron, &c. [L] 8 0 10 Northmeth Coal, Iron, &c. [L] 8 0 11 Northmeth Goal, Iron, &c. [L] 8 0 12 Northmeth Goal, Iron, &c. [L] 3 5 0 13 Paimer's Shipbldg, & Iron (L] 35 0 7½ 6½ dis 100 Parkgate Iron Co. [L] 65 0 1½ 2½ pm 100 Patent Nut and Bolt [L] 17 10 5½ 5 dis 100 Patent Nut and Bolt [L] 17 10 5½ 5 dis 100 Rhymney Iron Co. [L] 50 0 20 22 10 Sandwell Park Colliery Co. [L] 10 0 16½ 17 100 Shotts Iron Co. [L] 50 0 20 22 10 Shotts Iron Co. [L] 50 0 16½ dis 10 Silkstone & Dodw. Cl. & Iron (L] 45 0 10 Staveley Iron and Coal [L] 80 0 16 15½ dis 10 Staveley Iron and Coal [L] 80 0 16 15½ dis 10 Ditto ditto B 50 2½ 2½ 50 dis 10 Staveley Iron and Coal [L] 60 0 13 13½ pm 15 Teesside Iron & Engine Works 5 0 2½ 2½ 50 dis 15 Ditto ditto B 25 0 21 22 22 0 Ulverston Mining Co. [L] 6 0 3 2 dis 10 Vickers, Sons, and Co. [L] 60 14 13 dis 10 Vickers, Sons, and Co. [L] 100 0		Hall Coal. I	ron &c ff	[L] 22	0	11%	11%	dis
10 Lydney & Wigpool Iron Ore [L] 9 5 . 9 8 dis 10 Marbella Iron Ore Co. [L] . 10 0 . 2½ 2½ 10 10 Midland Iron Co. [L] . 5 0 . 2 2½ 2½ pm 14 Mwyndy Iron Ore [L]	20 Llyn	vi and Tond	u [L]	20		634	634	
10 Midland Iron Co. [L] 5 0 2 2½ pm 10 Monkland Irone & Coal Co. [L] 10 0 2½ 2½ 4 Mwyndy Iron Ore [L]	10 Lyds	ney & Wigpo	ol Iron Ore	[L] 9	5		8	dis
10 Monkland krone & Coal Co. [L] 10 0 2½ 2½ 4 4 Mwyndy Iron Ore [L] 3 15 2 1½ dis 100 Nant-y-Glo & Blaina (8 p.c. prf. 100 0 35½ 36 ½ 3 Nerbudda Coal and Iron [L] 2½ 1½ 13 dis 10 Newport Abercarn Coal Co. [L] 10 0 6½ 7 10 Northineld Iron Co. [L] 8 1 1 3 3½ dis 3 Paimer's Shipblelg & Iron [L] 35 0 7½ 6½ dis 100 Parkgate Iron Co. [L] 65 0 1½ 2½ pm 20 Patent Nut and Bolt [L] 17 10 8½ 9½ pm 20 Patent Nut and Bolt [L] 17 10 8½ 9½ pm 20 Patent Nut and Bolt [L] 17 10 8½ 9½ pm 20 Patent Nut and Bolt [L] 17 10 5½ 5 dis 50 Rhymney Iron Co. [L] 50 0 22 22 10 Sandwell Park Colliery Co. [L] 10 0 16½ 17 100 Sheepbridge Iron and Coal [L] 80 0 16 15½ dis 50 Slikstone & Dodw. Cl. & Iron [L] 45 0 5 50 Somorcostro Iron Co. [L] 50 0 16 50 Staveley Iron and Coal [L] 80 0 16 15½ dis 50 Staveley Iron and Coal [L] 80 0 18 18½ pm 50 Tredegar Iron and Coal Co. [L] 60 0 13 18½ pm 50 Tredegar Iron and Coal, A [L] 26 0 2½ 6 2½ 6 50 Tredegar Iron and Coal, A [L] 26 0 7½ 6 6½ dis 50 Tredegar Iron and Coal, A [L] 26 0 7½ 6 6½ dis 50 Ditto ditto B 25 0 21 22 2 0 Ulverston Mining Co. [L] 16 0 14 13 dis 10 Vickers, Sons, and Co. [L, 100 0 14 13 dis 10 Vickers, Sons, and Co. [L, 100 0 14	10 Mari	pella Iron Or	e Co. [L].	10		234	21/2	
Awynoy ron Ure   Li	10 Mon	kland Iron Co	Coal Co	FF.1 10	0	214	234	pm
Nant-y-t-10 & Blaina(8), c. prf., 100	4 Mws	andy Iron O	re [L]	3	15		136	dis
10 Newport Abercarn Coal Co. [L] 10 0 6½ 7 10 Northingto. Coal, Iron, &c. [L] 8 0 7 10 Northingto. Coal, Iron, &c. [L] 8 0 7 10 Northingto. Coal, Iron, &c. [L] 35 0 7½ 6½ dis 35 Paimer's Shiphligh, & Iron [L] 35 0 7½ 6½ dis 100 Parkgate Iron Co. [L] 65 0 1½ 2½ pm 20 Patent Nut and Bolt [L] 17 10 5½ 5 dis 50 Rhymney Iron Co. [L] 50 0 20 22 20 20 20 22 20 20 20 20 20 20 20 20 20 20 20 20 20 20	TOO NEED	-y-6/10 & Bla	ma(Sp.c.p	rf. 1100	0	3514	361/2	
10 Northmptn. Coal, Iron. &c. [L] 8 0  10 Northmeld Iron Co. [L] 3 1 3 3 3½ dis 35 Palmer's Shipbldg. & Iron [L] 35 0 7½ 6½ dis 100 Parkgate Iron Co. [L] 36 0 7½ 6½ dis 100 Parkgate Iron Co. [L] 36 0 1½ 2½ prin 20 Patent Nut and Bolt [L] 14 0 8½ 9½ prin 20 Patent Nut and Bolt [L] 17 10 5½ 5 dis 50 Rhymney Iron Co. [L] 50 0 20 22 10 Sandwell Park Colliery Co. [L] 10 0 15¼ 17 100 Shotts Iron Co. [L] 10 0 15¼ 17 100 Shotts Iron Co. [L] 10 0 16 15½ dis 50 Silkstone & Dodw. Cl. & Iron [L] 50 0 16 15½ dis 50 Silkstone & Dodw. Cl. & Iron [L] 50 0 15 50 Somorrostro Iron Co. [L] 50 0 18 18½ prin 100 Ditto ditto 8 10 0 3 3½ prin 5 Teesside Iron & Engine Works 5 0 2½ prin 50 Tredgar Iron and Coal, A [L] 26 0 7½ 6½ dis 50 Tredgar Iron and Coal, A [L] 26 0 7½ 6½ dis 50 Ditto ditto 8 25 0 21 22 0 Ulverston Mining Co. [L] 16 0 14 13 dis 10 Vickers, Sons, and Co. [L] 100 0 11	3 Nert	oudda Coal a	and Iron [1	[J 25	0		15%	dis
10 Northfield fron Co. [L]		hmptn. Coal	Iron. &c.	[L] B	0	073	- '	
35 Palmer's Shipbldg, & Iron [L] 35 0 7\ 62\ dis 100 Parkgate Iron co. [L] 65 0 1\ 22\ dpm 20 Patent Nut and Bolt [L] 14 0 8\ 9\ pm 20 Pelsail Coal and Iron [L] 17 10 5\ 5\ dis 50 Rhymney Iron Co. [L] 50 0 20 22 10 Sandwell Park Colliery Co. [L] 10 0 16\ 13\ 17 10 Shotts Iron Co. [L] 100 0 70 75 100 Shotts Iron Co. [L] 100 0 16 15\ 15\ dis 50 Silkstone & Dodw. Cl. & Iron [L] 45 050 Somorrostro Iron Co. [L] 50 0 13 13\ 13\ 13\ 13\ 13\ 13\ 13\ 13\ 13\	AU NOT	bheid Iron (	Co. [L]		9 1		33/2	dis
20 Pensant Cost and Fron [L] 17 10 5½ 5 dis 50 Rhymney Iron Co. [L] 50 0 20 22 10 Sandwell Park Colliery Co. [L] 10 0 15½ 17 100 Shotts Iron Co. [L] 100 0 70 75 100 Shotts Iron Co. [L] 100 0 16½ 17 50 Silkstone & Dodw. Cl. & Iron [L] 45 0 100 Staveley Iron and Coal (L] 80 0 18 18½ pm 100 Ditto ditto B 10 0 3 3½ pm 5 Teesside Iron & Engine Works 5 0 2½ 2½ 2½ 5 5 Tredgar Iron and Coal, A [L] 26 0 7½ 6½ dis 5 Ditto ditto B 25 0 21 22 0 Ulverston Mining Co. [L] 16 0 14 13 dis 10 Vincouver Coal [L] 6 0 3 2 dis 100 Vickers, Sons, and Co. [L. 100 0	35 Pain	ner's Shipble	g. & Iron	[L] 35	0	736	61/2	dis
20 Pensant Cost and Fron [L] 17 10 5½ 5 dis 50 Rhymney Iron Co. [L] 50 0 20 22 10 Sandwell Park Colliery Co. [L] 10 0 15½ 17 100 Shotts Iron Co. [L] 100 0 70 75 100 Shotest Iron Co. [L] 100 0 16½ 17 50 Silkstone & Dodw. Cl. & Iron [L] 45 0 100 Staveley Iron and Coal [L] 80 0 16 15½ dis 50 Silkstone & Dodw. Cl. & Iron [L] 45 0 100 Staveley Iron and Coal Co. [L] 60 0 18 13½ pm 100 Ditto ditto B 10 0 3 3½ pm 5 Teesside Iron & Engine Works 5 0 2½ s 50 Tredgar Iron and Coal, A [L] 26 0 7½ 6½ dis 55 Tredgar Iron and Coal, A [L] 26 0 7½ 6½ dis 25 Ditto ditto B 25 0 21 22 0 Ulverston Mining Co. [L] 16 0 14 13 dis 10 Vickers, Sons, and Co. [L, 100 0	20 Pate	nt Nut and	Bolt [L]	14		832	91/4	
50 Rhymney Iron Co. [L]	20 Pels	an Coal and	Iron [L]	17	4.0		5	
100   Shotts Iron Co. [L]	50 Rhy	mney Iron (	Jo. [L]	50	0			
100 Sheepbridge Iron and Coal [L] 80 0 16 15½ dis 50 Silkstone & Dodw.Cl. & Iron [L] 45 0 — 50 Somorrostro Iron Co. [L] 50 0 — 100 Staveley Iron and Coal Co. [L] 00 0 18 18½ pm 100 Ditto ditto B. 10 0 18 2½ pm 100 Ditto ditto B. 10 0 2½ pm 2½ pm 100 Treesgide Iron & Engine Works 5 0 2½ pm 2½ pm 100 Treesgide Iron & Engine Works 5 0 2½ pm 2½ pm 100 Ditto ditto B. 25 0 21 22 22 20 Ulverston Mining Co. [L] 16 0 14 13 dis 10 Vancouver Coal [L] 6 0 3 2 dis 100 Vickers, Sons, and Co. [L. 100 0 —	10 Sand	well Park O	olliery Co.	[L] 10		1636		
50 Silkstone & Dodw.Cl. & Iron [L] 45 0 50 50 morrostro Iron Co. [L] 50 0 51 18½ pm 100 Bitaveley Iron and Coal Co. [L] 60 0 13 18½ pm 100 Ditto Unito B 10 0 23 3½ pm 5 Teesside Iron & Engine Works 5 0 23/16 25/16 50 Tredgar Iron and Coal, A [L] 26 0 7½ 6½ dis 25 Ditto ditto B 25 0 21 22 0 Ulverston Mining Co. [L] 16 0 14 13 dis 10 Vancouver Coal [L] 6 0 3 2 dis 10 Vickers, Sons, and Co. [Li 100 0 5	100 Shee	phridge Iron	and Coal	100		4.0		die
50 Somorrostro Iron Co. (L) 50 0 13 13½ pm 100 Staveley Iron and Coal Co. (Li 60 0 13 13½ pm 100 Ditto ditto B 10 0 3 3½ pm 5 Teesside Iron & Engine Works 5 0 23½ $\frac{2}{2}$ 50 Tredegar Iron and Coal, A (Li 26 0 7½ 6½ dis 25 Ditto ditto B 25 0 21 22 20 Ulverston Mining Co. (Lj 16 0 14 13 dis 10 Vancouver Coal (Li 6 0 3 2 dis 100 Vickers, Sons, and Co. (Li 100 0	50 Silk	stone & Dody	v.Cl.& Iron	[L] 45				4113
100 Ditto ditto B 10 0 3 3½ pm 5 Teesside Iron & Engine Works 5 0 23½ 25½ 6 50 Tredegar Iron and Coal, A [L] 26 0 7½ 6½ dis 25 Ditto ditto B 25 0 21 22 20 Ulverston Mining Co. [L] 16 0 14 13 dis 10 Vancouver Coal [L] 6 0 3 2 dis 100 Vickers, Sons, and Co. [L] 100 0	50 Som	orrostro Iro	n Co. [L]	50	0			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	100 Btav	eley Iron an	to Coal Co.	[L] 60			3 14	TO PER
25 Ditto ditto B 25 0 21 22 20 Ulverston Mining Co. [L] 16 0 14 13 dis 10 Vancouver Coal [L] 6 0 3 2 dis 100 Vickers, Sons, and Co. [L] 100 0	5 Tees	side Iron & 1	Engine Wo	orks 5	0	23/10	25/	Erres.
25 Ditto 01tto B 25 0 21 22 20 Ulverston Mining Co. [L] 16 0 14 13 dis 10 Vancouver Coal [L] 6 0 3 2 dis 100 Vickers, Sons, and Co. [L] 100 0	50 Tred	egar Iron ar	d Coal, A	[L] 26	0	736	0.73	dis
10 Vancouver Coal [L] 6 0 3 2 dis 100 Vickers, Sons, and Co. [L] 100 0 —	25 Ditt	o art	to B.	25	0	21		die
100 Vickers, Sons, and Co. [L]100 0	10 Van	couver Coal				3		
25 W.Cumberland Iron & Steel [L] 20 0 12 11% dis	100 Vici	cers, Sons, a:	nd Co. [L]	100	0		-	
	25 W.C	umberland l	ron & Stee	I[L] 20	0	12	11%	dis

20	Ulverston Mining Co. [L] 16	0		14	13	dia
10	Vancouver Coal [L] 6	0		3	2	dis
100	Vickers, Sons, and Co. [L]100	0			-	
25	W.Cumberland Iron & Steel [L] 20	0		12	1136	dia
	-					
	WAGON COMPAN	Œ	S.			
Shar		W.			Clos.	pr.
10	Birmingham Wagon Co. [L] £10	0	***	12%	1236	
10	Ditto 2nd issue 8	0		13%	134	pm
10	Ditto pref., 6 per cent 10	0		1034	111/4	
20	British Wagon Co. [L] 10	G		-	4000	
3tk.	Gloucester [L] Sto	ck	100	73%	834	
	Ditto 5th issue 5	0		36	3/4	dis
10	Met. Rail. Car. & Wagon Co.[L] 5	0		23/4	3	pm
5	Ditto pref., 6 per cent 5	0	***	3/4	3/8	pm
10	Midland Rail. Car. & Wag. [L] 10				10	
10	Ditto pref., 6 per cent 1		***	3/8	dis	par
20	North Central Wagon Co 20				-	
5	Rail. Car. [L] Oldbury 5		***		31/4	
5	Ditto pref., 6 per cent 5	0		41/6	5	
10	Railway Rolling Stock Co. [L] 10		***			
20	Sheffield Wagon Co. [L] 15	0	***	1	3/4	dis

		TRAMWAYS.	
Issue.	Sha	res. Pd	
00000	5	Anglo-Argentine [L] all	
1 4 TU	10	Bellast Street Tramways all	
3030	10	Birkenhead, Ordinary all	
3000	10	Ditto, 6 per cent. Preference, all	
9290		Bristel (L) 9	
5000	10	Bordeaux Tram & Omnibus [L]. all	
3200	10	Chester [L] all	
4000	10	Dublinall	
4690	10	Edinburgh Street Tramways ali	
5000	10	Glasgow Tramway & Omni. [Lj. 9	
0000	10	Hughes Loco, and Tram, works, all	
7500	10	Hughes Loco. and Tram. works, all Hull Street Tramways	
7500	10	Imperial (L)	
4000	10	Liverpool Unit. Tram & Om. [L] all	
5000	10	London [L] all	
5000	10	Landon Street Tramways all	
0000	10	North Metropolitan all	
8000	10	Nottingham and District [L] all	
5947		Provincial [L]all	
6000	10	Sheffieldall	
5000	10	Southampton all	
6000	10	Sundarland (T.)	
0000	10	Guanas III	
2000		Tramways of France [L] all	ı
6500	10	Tramways of Germany [L] all	
0000	5	Tramways and Gen. Works [L]. all	
0000	5	Tramways of France [L]	
5000			
7200	10	Wolverhampton [L] all	

Shar	es.	Pd.	CU	18. pr
	Anglo-American	00 0	631/4	63%
10	Brazilian Submarine	10 0	93/4	10
	Direct United States Cable		12	12%
10	Eastern	10 0	95%	9 %
10	East, Exten. Austr. and China	10 0	10	10%
10	Great Northern	10 0	101/2	10%
25	Indo-European	25 0	24 1/2	20 %
10	Mediterranean Extension	10 0	23/4	111
8	Reuters	8 0	101/4	265
Stk.		100 0	255	203
	West India and Panama			01/
20	Western and Brazilian	20 0		105
1000	West. Union, 7 p.c. Mort. Bonds	\$1000	120	123

	MISCELLANEOU	JS		_
10 8tk. 25 5 16 15 17 7'½ 8tk. 10 25 8tk. 50 8tk. 8tk. 8tk. 8tk. 8tk. 8tk. 8tk. 8tk.	MISCELLANEOU  Australian Agricultural	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	114 3 3 34 6 1/2 18 1/6 109 8 1/2 108 106 54 123 118 200 100 130 108 343/ 35/ 33/ 33/ 33/ 33/ 33/ 33/ 3	81 16 6 6 6 115 7 7 7 8 18 18 7 7 113 103 113 105 125 119 105 135 110 105 135 110 105 135 110 105 135 110 110 110 110 110 110 110 110 110 11
Stk.	Union Pacific Ry., 1st Mort100	-	116	-

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